



5TH CATEGORY

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:	Monaro HT 350
Period of Original Manufacture:	1969		
CAMS Historic Group:	Nc		
FIA Recognition Number:	HI-5		
Date of Issue of this Document:	March 2004		



SECTION 1 – CHASSIS

1.1 CHASSIS FRAME

Description: Unitary construction Period of Manufacture:
Manufacturer: GMH March 1969--Dec 1969
Chassis No. from: 81837
Chassis No. location: Chassis rail
Material: Steel
Comments: Further modifications - Refer Group Nc regulations

1.2 FRONT SUSPENSION

Description: Double wishbone
Spring Medium: Coil
Damper Type: Tubular Adjustable: Permitted
Anti-Sway Bar: Originally fitted Adjustable: Permitted
Suspension Adjustable: Yes Method: by shims
Comments: Modifications permitted – refer Group Nc regulations

1.3 REAR SUSPENSION

Description: Live rear axle
Spring Medium: Semi-elliptic leaf springs
Damper Type: Hydraulic telescopic Adjustable: Permitted
Anti-Sway Bar: No Adjustable: Permitted
Suspension Adjustable: Yes Method: Shims
Comments: Modifications permitted – refer Group Nc regulations

1.4 STEERING

Type: Recirculating ball & nut Make: GM
Comments: Modifications permitted - Refer Group Nc regulations

1.5 BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	10.6 in	10 in
Area per brake:	232in ²	213 in ²
Materials of Disc/Drum:	Cast Iron	Cast iron
No. cylinders/wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Calliper Make:	Unspecified	Unspecified
Master Cylinder Make:	GM	Type: Double
Adjustable Bias:	Not originally fitted	
Servo Fitted:	Not originally fitted	

Comments: Brake modifications permitted – refer Group Nc regulations

SECTION 2 – ENGINE

2.1 ENGINE

Make: GM
Model: Chevrolet Small Block Cast Iron
No. Cylinders: Eight (8) **Configuration:** Vee
Cylinder Block Material: Cast Iron **Four Stroke**
Bore – Original: 101.6mm **Max. Allowed:** 103.1mm
Stroke – Original: 88.39mm **Max. Allowed:** 88.39mm
Capacity – Original: 5735cc **Max. Allowed:** 5895cc
Main Bearing Caps: Four (4) bolt Cast Iron
Cooling Method: Water-cooled
Identifying marks: As per attached list
Comments: Further modifications - Refer Group Nc regulations

2.2. CYLINDER HEAD

Make: GM Cast Iron
No. valves/cylinder: 2 **Inlet:** 1 **Exhaust:** 1
No. ports total: 8 **Inlet:** 4 **Exhaust:** 4
No. of camshafts: 1 **Location:** Cyl block **Drive:** Chain
Valve actuation: Cam followers, pushrods and rockers
Spark plugs/cylinder: 1
Identifying marks: As per attached list
Comments: Further modifications - Refer Group Nc regulations

2.3 LUBRICATION

Method: Wet sump **Oil tank location:** N/A
Dry sump pump type: N/A **Location:** N/A
Oil cooler standard: No **Location:** N/A
Comments: Further modifications - Refer ype: Battery, coil & distributor
Make: Delco Remy

Comments: Ignition modifications permitted – refer Group Nc regulations

2.5 FUEL FEED

Carburettor Make: Rochester Model: 4V Downdraft No: 2 Size:
Four passages

Fuel Injection Make: N/A Type:

Supercharged: No Type:

Comments: Carburettor modifications permitted – refer Group Nc regulations

SECTION 3 – TRANSMISSION

3.1 CLUTCH

Make: GM Type: Dry plate Diameter: 280mm

No. of plates: One

Actuation: Mechanical/hydraulic

Comments: Clutch modifications permitted – refer Group Nc regulations

3.2 TRANSMISSION

Type: Synchromesh

Make: GMH Model: Saginaw

No. forward speeds: 4 Gearbox location: Behind engine

Gearchange type and location: Remote – central floor mounting

Case material: Alloy Identifying marks: N/A

Comments:
Gearbox modifications permitted – refer Group Nc regulations

3.3 FINAL DRIVE

Make: GM, Salisbury Model: 10 Bolt

Wheel drive method: Rear

Ratios: Free

Differential: GM Type: Positive Locking (ratchet or roller)

Comments: Modifications permitted – refer Group Nc regulations

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: One Location: Gearbox to rear axle

Description: Tubular steel with Hardy-Spicer type U/Js

Comments: Modifications permitted – refer Group Nc regulations

3.5 WHEELS & TYRES

Wheel type: Original: Steel or magnesium
Allowed: Period style alloy

Fixture method: Studs & nuts No. studs: 5

Wheel dia & rim width	Front	Rear
Original:	14" x 6.00"	14" x 6.00"
Allowed:	15" x 8.0"	15" x 8.0"

Aspect ratio: Minimum: 60% 60%
Comments: Refer Group Nc regulations

SECTION 4 – GENERAL

4.1 FUEL SYSTEM

Tank location: Boot **Capacity:** N/A
Fuel pump type & location: not specified **Make:** not specified
Comments: Carburettor modifications permitted – refer Group Nc Regulations

4.2 ELECTRICAL SYSTEM

Voltage: 12v **Alternator fitted:** Yes
Battery location: Engine compartment
Comments: Ignition modifications permitted – refer General regulations

4.3 BODYWORK

Type: Closed touring car **Material:** Sheet steel and glass
No. of seats: Four (4) **No. doors:** Two (2)
Comments: Other modifications – refer Group Nc regulations.

4.4 DIMENSIONS

Track – front: 1482.3mm **Rear:** 1482.3mm
Wheelbase: 2819mm **Overall length:** 4694mm
Dry weight: 1437 kg

Comments: Track is free – refer Group Nc regulations

4.5 SAFETY EQUIPMENT

Fire extinguisher: See Schedule H CAMS Manual
Seat Belt: See Schedule I CAMS Manual
Roll bar: See Schedule J and General regulations article 3 CAMS Manual
Electrical cut-off switch: Required
Safety fuel tank: Optional

ADDITIONAL INFORMATION

Muncie Transmission was never factory fitted to this vehicle