



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 HK 327 |
| Period of Original Manufacture: | 1968 | | |
| CAMS Historic Group: | Nc | | |
| FIA Recognition Number: | HI-3 | | |
| Date of Issue of this Document: | March 2004 | | |



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary construction Period of Manufacture:
Manufacturer: GMH Feb 1968–Dec 1968
Chassis No. from:
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: 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: Not Fitted 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: | 247in ² | 237 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: | 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: | 82.59mm | Max. Allowed: | 82.59mm |
| Capacity – Original: | 5359cc | Max. Allowed: | 5508cc |
| 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 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 Group Nc regulations | | |

2.4 IGNITION

| | | | |
|------------------|---------------------------------------------------------------|--|--|
| Type: | Battery, coil & distributor | | |
| Make: | Delco Remy | | |
| Comments: | Ignition modifications permitted – refer Group Nc regulations | | |

2.5 FUEL FEED

Carburettor Make: Rochester Model: 4V Downdraft 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: GM 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
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: 1473 mm **Rear:** 1480 mm
Wheelbase: 2819 mm **Overall length:** 4694 mm
Dry weight: 1411 kilograms excluding driver and fuel but including all operating fluids.
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

Deletion of floor mounted Tachometer and fresh air heater/demister is allowed

