



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 HQ 2 Door**

Period of Original Manufacture: 1971-72

CAMS Historic Group: Nc

FIA Recognition Number: CAMS recognised

Date of Issue of this Document: March 2004



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 Group Nc regulations

2.4 IGNITION

Type: Battery, coil & distributor
Make: Delco Remy
Comments: Original battery location under bonnet. Refer Group Nc regulations

2.5 FUEL FEED

Carburettor Make: Rochester, **Model:** 4V Downdraft **No: 1 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: Muncie **Model:** M20-M21-M22
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/Luggage 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: 1529mm Rear: 1529mm
Wheelbase: 2819mm Overall length: 4762mm
Dry weight: 1451 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

Vehicle fitted with louvre vents in front guards
No front or rear spoiler
4 gauge dash required, centre console required.

Engine Block Casting Numbers

#3782870	#3790721	#3791362	#3858174	#3858180
#3892657	#3903352	#3914660	#3914678	#3932386
#3932388	#395618	#3970010	#3970014	#3970016

OR OTHERS BY SPECIFIC APPROVAL

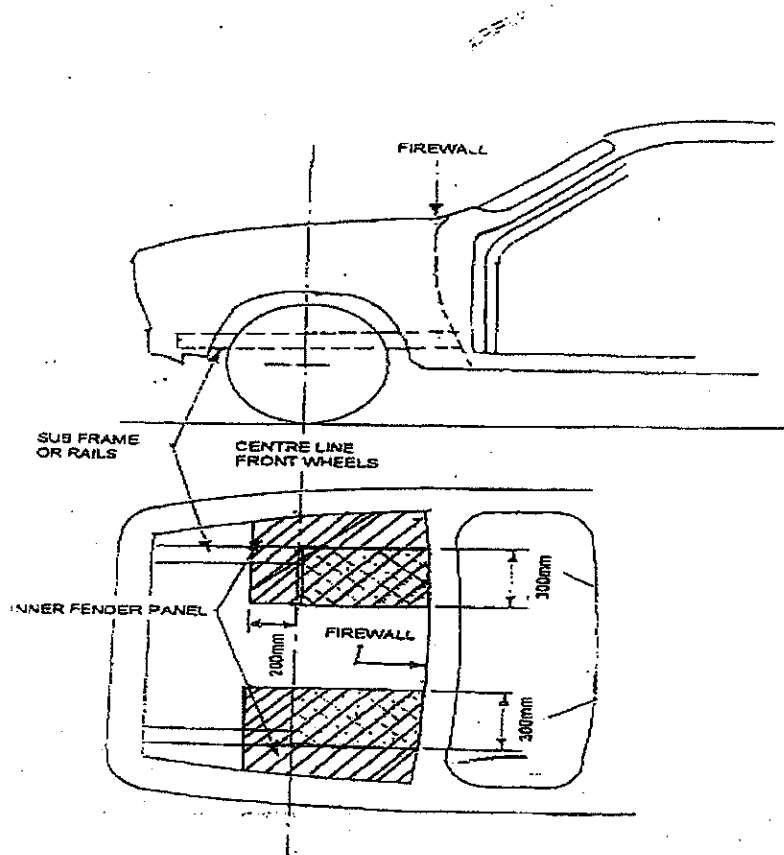
Cylinder Head Casting Numbers

#3782461	#3890462	#3917291	#3917292	#3917293
#3927185	#3927186	#3927187	#3927188	#3932441
#3947041	#3973414	#3973487	#3986316	#3986339

#3991492 #3998916 #3998993

OR OTHERS BY SPECIFIC APPROVAL

SUB-FRAME REINFORCEMENT



IN PLAN VIEW ALL REINFORCEMENTS MUST BE WITHIN TWO RECTANGLES OF LENGTH BEING THE DISTANCE FROM 200mm IN FRONT OF THE FRONT WHEEL CENTRELINE TO FIREWALL AND THE WIDTH OF THE INSIDE OF THE BONNET OPENING TO 300mm MEASURED FROM INSIDE THE INNER FENDER PANEL

LOCATION OF SUB-FRAME REINFORCEMENTS

SPECIFICATIONS

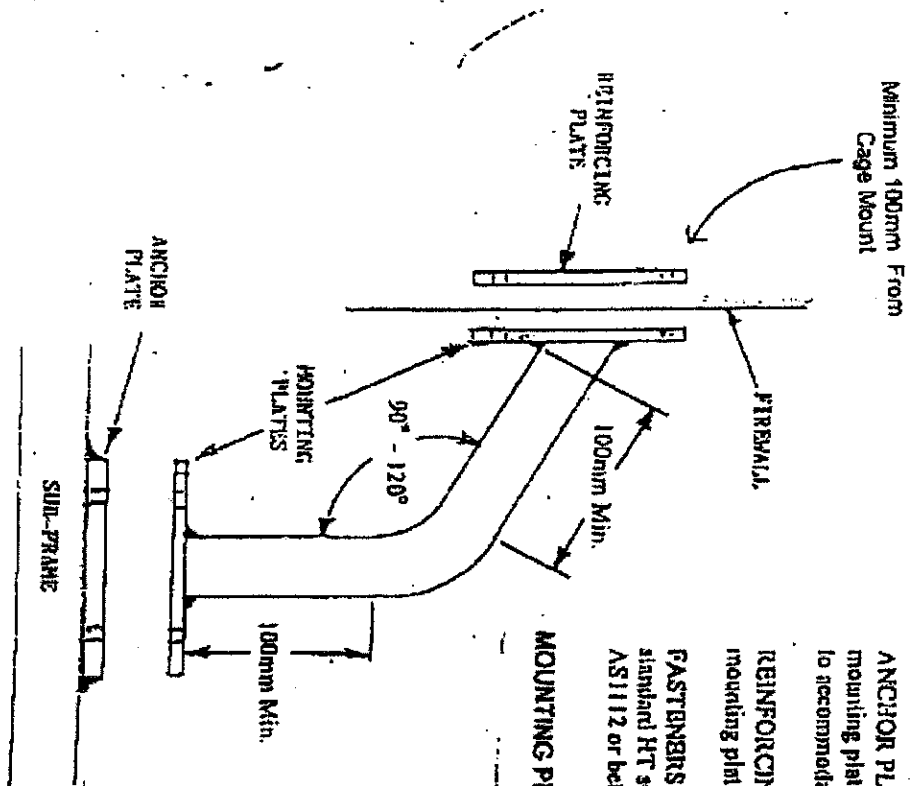
MATERIAL: Round mild steel tubing 38mm diam. X 2.5mm wall thickness.
BEND - of included angle between 90° and 120° must be incorporated with not less than 100mm of straight tube on either side of bend.

ANCHOR PLATE: Mild steel of 6mm minimum thickness matching the mounting plate and welded to the sub-frame and incorporating tapped holes to accommodate fasteners.

REINFORCING PLATE (upper mounting): Mild steel 3mm thick to match mounting plate and attached by bolts through firewall.

FASTENERS: Each mounting to incorporate at least two M8 size to ISO standard HT set screws to AS2465 or cap screws to AS1420 and nuts to AS1112 or better.

MOUNTING PLATES: Mild steel maximum dimension 75mm x 75mm



SUB-FRAME REINFORCEMENT

Eligibility officers be aware the main items are the bent brace and that the mount on the fire wall does not align with any part of the roll cage. The mounting plates can vary to incorporate a 90 degree plate at the top of the bulkhead.