

SECTION 1 – CHASSIS

1.1 CHASSIS FRAME

Description: Unitary construction **Period of Manufacture:**
Manufacturer: GM USA **Sept 1966--Dec 1967**
Chassis No. from: 24377N-100001
Chassis No. location: Left hand side top of dash
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: Yes, traction and panhard **Adjustable:** Permitted
Suspension Adjustable: Yes **Method:**
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:	11 in	9.5 in
Area per brake:	247in ²	237 in ²
Materials of Disc/Drum:	Cast Iron	Cast iron
No. cylinders/wheel:	Four	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:** 103.26mm
Stroke – Original: 88.39mm **Max. Allowed:** 88.39mm
Capacity – Original: 5735cc **Max. Allowed:**
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 in rear of car.
Ignition modifications permitted – refer Group Nc regulations

2.5 FUEL FEED

Carburettor Make: Holley 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: 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: Modifications permitted – refer Group Nc regulations

3.3 FINAL DRIVE

Make: GM, Salisbury Model: 10 Bolt or 12Bolt

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:	15" x 6.00"	15" 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: 1498.6mm **Rear:** 1496.6mm
Wheelbase: 2743.2mm **Overall length:** 4691.4mm
Dry weight: 1256 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

Vehicle fitted with ¼ vent window and round indicators in the grille
Deletion of heater/demister/air cond allowed
No front or rear spoiler
No cowl induction hood
396 Big Block Option not allowed
Power steering allowed
Must use 67 disc front hubs (68 are identical but not 69)
Front sub-frame brace if used must be similar to the attached diagram.

Engine Block Casting Numbers

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

OR OTHERS BY SPECIFIC APPROVAL

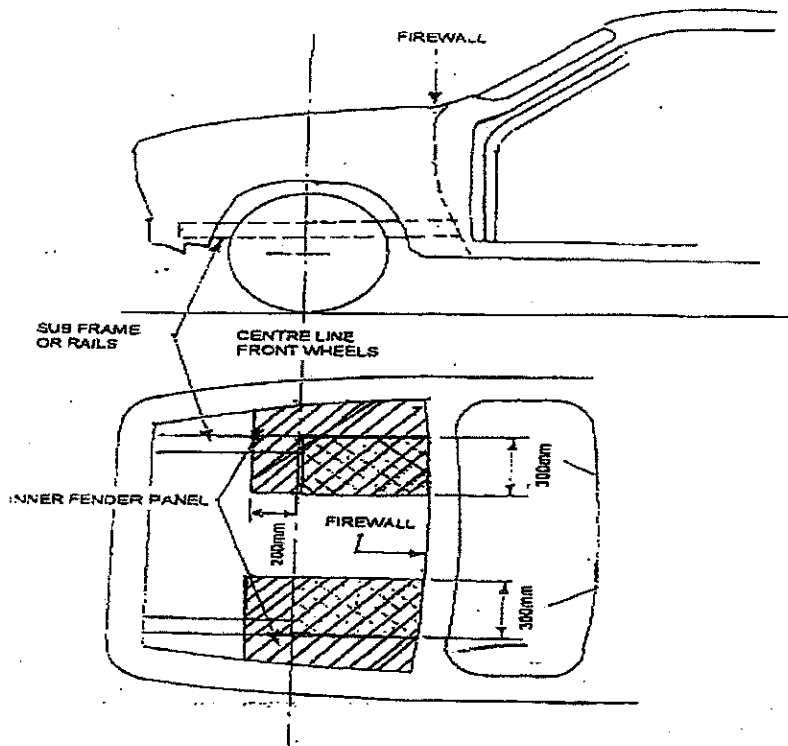
Cylinder Head Casting Numbers

#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.

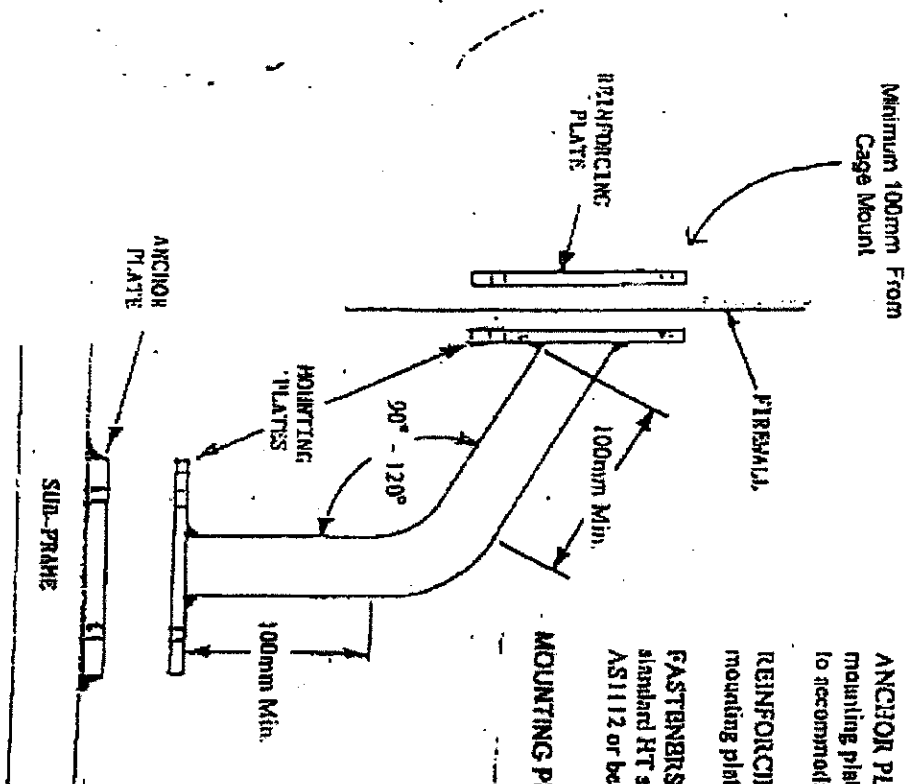
BEND - of included angle between 90° and 120° must be incorporated with not less than 100mm of straight tube on either side of bend.

ANCHOR PLATE: Mild steel of 8mm minimum thickness matching the mounting plate and welded to the sub-frame and incorporating lapped 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 AS1470 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.