

SECTION 2 – ENGINE

2.1 ENGINE

Make: GM
Model: Chevrolet Big Block Cast Iron
No. Cylinders: Eight (8) **Configuration:** Vee
Cylinder Block Material: Cast Iron Four Stroke
Bore – Original: 103.98mm **Max. Allowed:** 105.48mm
Stroke – Original: 95.5mm **Max. Allowed:** 95.5mm
Capacity – Original: 6486cc **Max. Allowed:** 6672cc
Main Bearing Caps: Four (4) or (2) bolt Cast Iron
Cooling Method: Water-cooled
Identifying marks: Block # 3916323, 3935440, 3955272 only
Comments: Further modifications - Refer Group Nc regulations

2.2. CYLINDER HEAD

Make: General Motors
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: Head# 3919842 only

Comments: Further modifications - Refer Group Nc regulations. Cast Iron or Aluminium Heads permitted.

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: Gearbox modifications permitted – refer Group Nc regulations

3.3 FINAL DRIVE

Make: GM, Salisbury Model: 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: 1410 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 rectangular front indicators in grill and back up lights under rear bumper
No cowl induction hood
Deletion of heater/demister/air cond allowed
Power steering allowed
Must use 68 disc front hubs (67 are identical but not 69)