



5TH CATEGORY - HISTORIC RACING

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 a 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: Chevrolet **Model:** 1966 Nova II Super Sports Coupe
Period of Original Manufacture: 1965 – 1966
CAMS Historic Group: Nc
Date of issue of this document: April 2012, Updated **Dec** 2013



Refer to CAMS Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars,
General Requirements & Nc Regulations for permitted modifications.

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Uni Body with sub frames
Period of Manufacture: Gen 2 1965 to 1966
Manufacturer: GM Chevrolet
Chassis no. from: 1#176\$ 10001
= 15, 16, 17 or 18 \$ = Assembly plant letter
Chassis no. location: On plate on left side door hinge pillar
Material: Steel

1.2 FRONT SUSPENSION

Description: Independent with upper & lower wishbones
Spring Medium: Coil
Damper Type: Telescopic **Adjustable:** No
Anti-sway bar: Fitted **Adjustable:** No
Suspension adjustable: Yes **Method:** Caster & camber by shims

1.3 REAR SUSPENSION

Description: Live rear axle
Spring medium: Mono plate leaf
Damper type: Telescopic **Adjustable:** No
Anti-sway bar: Fitted **Adjustable:** No
Suspension adjustable: Yes **Method:** Height

1.4 STEERING

Type: Recirculation ball **Make:** Chevrolet

1.5 BRAKES

	Front	Rear
Type:	Drum	Drum
Dimensions:	9.5 x 2.9 inch	9.5 x 2 inch
Material:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Brake shoe configuration:	Twin leading shoe	Single leading shoe
Actuation:	Hydraulic	Hydraulic
Master cylinder make:	GM	Type: Duel
Adjustable bias:	No	
Servo Fitted:	Option	

SECTION 2 - ENGINE

2.1 ENGINE

Make:	Chevrolet	Configuration:	Vee
Model:	Small Block	Two/Four Stroke:	Four
No. cylinders:	Eight	Max. allowed:	103.1 mm
Cylinder block material:	Cast iron	Max. allowed:	82.55 mm
Bore - Original:	101.6 mm	Max. allowed:	5513 cc
Stroke - original:	82.55 mm		
Capacity - original:	5354 cc		
Cooling method:	Water		
Identifying marks:	Refer Appendix for approved casting numbers, <u>New block added</u>		

2.2 CYLINDER HEAD

Make:	Chevrolet	Type:	OHV		
No. of valves/cylinder:	Two	Inlet:	One	Exhaust:	One
No. of ports total:	Eight	Inlet:	Four	Exhaust:	Four
No. of camshafts:	One	Location:	Block	Drive:	Chain
Valve actuation:	Pushrod & rocker				
Spark plugs/cylinder:	One				
Identifying marks:	N/A				

Comments:

Conditional upon individual application.

The RHS "Pro Action" 23 degree Cast Iron SBC head – (180cc Intake Runner/64cc chamber).

Part No. 12317 straight plug or part No. 12318 angled plug head, may be used. Subject to the heads being in the manufactured state. Save for refacing of the cylinder gasket face and matching of the inlet ports by not more than 12mm from the port face.

Log book endorsed and the engine sealed required.

2.3 LUBRICATION

Method:	Wet sump
Oil cooler standard:	None

2.4 IGNITION SYSTEM

Type:	Coil, points & distributor
Make:	Delco

2.5 FUEL SYSTEM

Carburettor Make:	Rochester	Model:	Quadrajets
Carburettor number:	One	Size:	750
Type:	Four barrel		

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Various
Type: Diaphragm
Diameter: 10.4 inch **No. of Plates:** One
Actuation: Hydraulic

3.2 TRANSMISSION

Type: Synchromesh
Make: GM, Muncie M20 (wide ratio) & M21 (close ratio)
No. forward speeds: Four **Gearbox location:** Behind engine
Gear change type and location: H pattern, remote floor shift
Case material: Cast iron or alloy **Identifying marks:**

3.3 FINAL DRIVE

Make: Chevrolet **Model:** Salisbury, 10 or 12 bolt
Type: Live rear axle
Wheel drive method: Shaft
Ratios: Various
Differential type: Limited slip

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: One
Description: Open tail shaft

3.5 WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel
Allowed:	Cast	Allowed:	Alloy
Fixture method:	Studs	No. studs:	Five
Wheel dia. & rim width:	FRONT		REAR
Original:	14 x 5 inch		14 x 5 inch
Allowed:	15 x 8 inch		15 x 8 inch
Tyres original:	14 x 6.95 inch		14 x 6.95 inch
Tyres allowed:	60% minimum aspect ratio, refer approved tyre list.		

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location: Boot **Capacity:** 61 litre
Fuel pump type and location: Mechanical, engine block **Make:** AC

4.2 ELECTRICAL SYSTEM

Voltage: Twelve **Alternator:** Fitted
Battery Location: Engine compartment

4.3 BODYWORK

Type: Closed **Material:** Steel
No. of seats: Five **No. doors:** Two

4.4 DIMENSIONS

Track - Front: 1443 mm **Rear:** 1430 mm
Wheelbase: 2794 mm **Overall length:** 4648 mm
Dry weight: 1265 kg

4.5 SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix

Spare part **10066034 GM performance parts replacement small block 305, 327 & 350, four bolt design with split rear seal.**

BLOCK CASTING IDENTIFICATION

3959512	3852174	3903352	3791362	3955618
3782870	3858180	3789817	3970010	3858190
3789817	3892657	3858174	3914678	3866657
3794460	3782870	3892657	3932386	3876132