

CAMS

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 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: Chevrolet Model: Camaro Sport Coupe SS350

Period of Original Manufacture: 1969

CAMS Historic Group: Nc

Date of Issue of this Document: September 1999



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description:	Unitary Construction	Period of Manufacture: 1969
Manufacturer:	General Motors	
Chassis no. from:	12437-9N500001 - 12437-9N711000	
Chassis no. location:	Firewall	
Material:	Steel	
Comments:	.	

1.2 FRONT SUSPENSION

Description:	Independent - Upper & Lower Wishbone		
Spring medium:	Coil		
Damper Type:	Telescopic	Adjustable:	Optional
Anti-sway bar:	Fitted	Adjustable:	Optional
Suspension adjustable:	Yes	Method:	Shims
Comments:	Spring rates and ride height free		

1.3 REAR SUSPENSION

Description:	Live Axle		
Spring medium:	Semi Elliptic Leaf		
Damper type:	Telescopic	Adjustable:	Optional
Anti-sway bar:	Fitted	Adjustable:	Optional
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride height free. Axle location may be improved.		

1.4 STEERING

Type:	Recirculating ball	Make:	Saginaw/GM
Comments:			

1.5 BRAKES

	Front	Rear
Type:	Disc (vented)	Drum
Dimensions:	275 x 25	241 x 50
Material of drum/disc:	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	1	1
Actuation:	Hydraulic	Hydraulic
Caliper: Make, Material, Type:	Delco/Morraine - Cast Iron	
Master cylinder make:	Delco/Bendix	Type: Tandem
Adjustable bias	Yes - By Pressure Limiting Valve	
Servo Fitted	Yes	
Comments:		

SECTION 2 - ENGINE

2.1 ENGINE

Make: General Motors (Chevrolet)
Model: 350 (Small Block)
No. cylinders: 8 **Configuration:** Vee
Cylinder Block-material: Cast Iron **Four Stroke**
Bore - Original: 101.6 mm **Max. allowed:** 103.1 mm
Stroke - original: 88.4 mm **Max. allowed:** 88.4 mm
Capacity - original: 5736 cc **Max. allowed:** 5906 cc
Cooling method: Water
Identifying marks: See Annexure 'A' attached
Comments:

2.2 CYLINDER HEAD

Make: General Motors
No. of valves/cylinder- Inlet: 1 Exhaust: 1
No. of ports total: 16 Inlet: 8 Exhaust: 8
No. of camshafts: 1 Location: Block Drive: Chain
Valve actuation: Pushrod
Spark plugs/cylinder: 1
Identifying marks: See Annexure 'A' attached
Comments:

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:** Optional
Comments: Oil Cooler permitted

2.4 IGNITION

Type: Coil & Distributor
Make: Delco Remy
Comments:

2.5 FUEL FEED

Carburettor: Make: Rochester **Model:** 4MV **No:** 1 **Size:** 1.38/2.25
Holley 4130 1 1.56
Fuel injection Make: N/A **Type:** N/A
Supercharged: No **Type:** N/A
Make: N/A
Comments: Carburettor/s may be replaced with other make/types available in period.

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: General Motors **Type:** Diaphragm **Diameter:** 254 mm
No. of Plates: 2
Actuation: Mechanical
Comments:

3.2 TRANSMISSION

Type: Four Speed Synchromesh
Make: Muncie **Model:** M20
No. forward speeds: 4 **Gearbox location:** Behind Engine
Gearchange type and location: Floor - Remote
Case material: Alloy **Identifying marks:**
Comments: M21/M22 Permitted. Ratios Free

3.3 FINAL DRIVE

Make: General Motors **Model:** Salisbury
Wheel drive method: Rear
Ratios: Various
Differential: Spin Resistant **Type:**
Comments: Ratios Free

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 1 **Location:** Gearbox to Final Drive
Description: Tubular Tailshaft with Universal Joints
Comments:

3.5 WHEELS & TYRES

Wheel type: Original:	Disc	Material: Original:	Steel
Allowed:	Cast	Allowed:	Alloy
Fixture method:	Bolt On	No. studs:	5
	FRONT		REAR
Wheel dia. & rim width			
Original:	14 x 7		14 x 7
Allowed:	15 x 8		15 x 8
Tyre section:			
Original:			
Allowed:			
Aspect ratio - minimum:	60%		60%
Comments:			

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location: Boot Capacity: 82 Litres
Fuel pump, type and location: Mechanical Make: General Motors
Comments:

4.2 ELECTRICAL SYSTEM

Voltage: 12 Alternator fitted
Battery Location: Engine Bay
Comments:

4.3 BODYWORK

Type: Fixed Head Coupe Material: Steel
No. of seats: 4 No. doors: 2
Comments:

4.4 DIMENSIONS

Track - Front: 1515 mm Rear: 1510 mm
Wheelbase: 2745 mm Overall length: 4690 mm
Dry weight: 1410 kg
Comments:

4.5 SAFETY EQUIPMENT

Fire extinguisher required
Seat belt required
Rollbar required
Electrical cut off switch required
Safety fuel tank optional

ANNEXURE 'A'

CHEVROLET CAMARO SPECIFICATION SHEET

MODEL : SPORT COUPE - 12437

ENGINE BLOCK CASTING NUMBERS :

Identifying marks : Casting Numbers

#3782870	#3790721	#3791362	#3858174	#3858180
#3892657	#3903352	#3914660	#3914678	#3932386
#3932388	#3956618	#3970010	#3970014	#3970016

or others by specific approval

CYLINDER HEAD CASTING NUMBERS :

Identifying marks : 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