



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: Holden **Model:** HG Monaro GTS 350
Period of Original Manufacture: July 1970 to 1971
CAMS Historic Group: Nc
Date of issue of this document: 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: March. to Dec. 1969
Manufacturer: Holden
Chassis no. from: 81837G\$\$?????
\$\$ = assembly plant code, ?????? = sequence number
Chassis no. location: Chassis rail
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: Semi elliptical leaf
Damper type: Telescopic **Adjustable:** No
Anti-sway bar: None
Suspension adjustable: Yes **Method:** Height

1.4 STEERING

Type: Recirculation ball **Make:** Holden

1.5 BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	10 ½ x 5/8 inch	10 x 2 inch
Material:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper Make:	Chevrolet	
Caliper Type:	Fixed	
Caliper Material:	Cast iron	
Master cylinder make:	GM	Type: Duel
Adjustable bias:	No	
Servo Fitted:	Yes	

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:	5904 cc
Bore - Original:	101.6 mm		
Stroke:	88.392 mm		
Capacity - original:	5733 cc		
Cooling method:	Water		
Identifying marks:	Refer Appendix for allowed casting numbers, <u>New block allowed</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: 11 inch
Actuation: Hydraulic / Mechanical
No. of Plates: One

3.2 TRANSMISSION

Type: Synchromesh
Make: GM, Saginaw
No. forward speeds: Four
Gearbox location: Behind engine
Gear change type and location: H pattern, remote floor shift
Case material: Cast iron
Identifying marks: N/A

3.3 FINAL DRIVE

Make: Chevrolet
Model: Salisbury, 10 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 6 inch		14 x 6 inch
Allowed:	15 x 8 inch		15 x 8 inch
Tyres allowed:	60% minimum aspect ratio, refer approved tyre list.		

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:	Boot	Capacity:	N/A
Fuel pump type and location:	Mechanical, engine block	Make:	GM

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:	1501 mm	Rear:	1501 mm
Wheelbase:	2819 mm	Overall length:	4694 mm
Dry weight:	1497 kg		

4.5 SAFETY EQUIPMENT

Refer applicable Group Regulations

ADDITIONAL INFORMATION

Muncie Transmission was never factory fitted to this vehicle

Appendix

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

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