

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: Valiant Charger **Model:** RT E49

Period of Original Manufacture: 6/1972

CAMS Historic Group: Nc

Date of Issue of this Document: 14 May 1997



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary **Period of Manufacture:** 8/71 - 6/72
Manufacturer: Chrysler Australia
Chassis no. from: D363---
Chassis no. location: Firewall RHS
Material: Steel
Comments: Chassis D636 (B-1971, C-1972) remaining 5 numbers Engine number

1.2 FRONT SUSPENSION

Description: Independent with Torsion Bar
Spring medium:
Damper Type: Shock Absorber **Adjustable:** No
Anti-sway bar: Yes **Adjustable:** No
Suspension adjustable: **Method:**
Comments:

1.3 REAR SUSPENSION

Description: Semi Elliptic Hotchkiss
Spring medium: Semi Elliptic Leaf
Damper type: Telescopic **Adjustable:**
Anti-sway bar: No **Adjustable:**
Suspension adjustable: No **Method:**
Comments:

1.4 STEERING

Type: Recirculating Ball **Make:**
Comments:

1.5 BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	11 inch Vented	9 inch Finned Drums
Material of drum/disc		
No. cylinders/pcts per wheel:	2	1
Actuation:		
Caliper; Make, Material, Type:	Caliper	
Master cylinder:	Type: Tandem	
Adjustable bias	No	
Servo Fitted	Yes	
Comments:		

SECTION 2 - ENGINE

2.1 ENGINE

Make:	Chrysler				
Model:	Hemi				
No. cylinders	6	Configuration:	In Line OHV		
Cylinder Block-material:	Cast Iron;	Four Stroke			
Bore - Original:	99.31 mm	Max. allowed:	3.91 inch		
Stroke - original:	93.47 mm	Max. allowed:	3.63 inch		
Capacity - original:	4340 cc	Max. allowed:			
Cooling method:	Water				
Identifying marks:	D265				
Comments:					

2.2 CYLINDER HEAD

Make:	Chrysler				
No. of valves/cylinders:	2	Inlet:	1	Exhaust:	1
No. of ports total:	12	Inlet:	6	Exhaust:	6
No. of camshafts:	1	Location:	Block	Drive:	Chain
Valve actuation:					
Spark plug/per cylinder:	1				
Identifying marks:					
Comments:					

2.3 LUBRICATION

Method:	Wet Sump	Oil tank location:	N/A
Dry sump pump type:		Location:	NA
Oil cooler standard:	No	Location:	NA
Comments:			

2.4 IGNITION

Type:	Distributor & Coil
Make:	
Comments:	

2.5 FUEL FEED

Carburettor: Make:	Weber	Model:	DCOE	No:	3	Size:	45
Fuel injection Make:	N/A	Type:					
Supercharger:	No	Type:					
Make:							
Comments:							

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Borg & Beck **Type:** Dry Plate **Diameter:**
No. of Plates: Two Plates
Actuation:
Comments:

3.2 TRANSMISSION

Type: **Model:**
Make: Borg Warner **Gearchange mount:** Floor Mounted
Case material: Alloy
No. forward speeds: 3
Gearbox location: Rear of Engine
Identifying marks:
Comments: Ratios 1st - 2.50, 2nd - 1.43, 3rd - 1.00, R - 2.92

3.3 FINAL DRIVE

Make: Borg Warner **Model:** **Type:**
Wheel drive method:
Ratios: 2.92 - 3.23 - 3.5
Differential: Limited Slip
Comments:

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 1 **Location:** Gearbox to Final Drive
Description: Tubular Tail Shaft
Comments:

3.5 WHEELS & TYRES

Wheel type: A84 Option **Material:** Alloy
Fixture method: Nut **No. studs:** 5
Wheel dia. & rim width
Original: FRONT REAR
Allowed: 7 x 14" 7 x 14"
Tyre section:
Original: ER 70/14
Allowed:
Aspect ratio - minimum:
Comments:

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location: Rear **Capacity:** 17.5 Gallon
Fuel pump & type **Make:**
Comments:

4.2 ELECTRICAL SYSTEM

Voltage: 12 Volt Negative Earth
Battery Location: Engine Compartment
Comments:

4.3 BODYWORK

Type: Fixed Head Coupe **Material:** Steel
No. of seats: 5 **No. doors:** 2
Comments:

4.4 DIMENSIONS

Track - Front: 1634 mm **Rear:** 1644 mm
Wheelbase: 2667 mm **Overall length:** 4564 mm
Dry weight: 1472 kg
Comments:

4.5 SAFETY EQUIPMENT

Fire extinguisher: Type:
Seat belt Fitted: Recommended
Rollbar Recommended
Electrical cut off switch Recommended
fitted:
Safety fuel tank fitted: Recommended