

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary
Period of Manufacture: June 1972 to March 1973
Manufacturer: Chrysler Australia
Chassis no. from: VH7S29____
Chassis no. location: Firewall RHS
Material: Steel
Comments: Chassis D364C (C-1972, D-1973)

1.2 FRONT SUSPENSION

Description: Independent with torsion bar
Spring Medium: Torsion Bar
Damper Type: Telescopic **Adjustable:** No
Anti-sway bar: Yes **Adjustable:** No
Suspension adjustable: Yes **Method:** Camber and Caster

1.3 REAR SUSPENSION

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

1.4 STEERING

Type: Recirculating Ball **Make:** Chrysler
Comment: 16:1 ratio steering box with A84 & A87 Option

1.5 BRAKES

	Front	Rear
Type:	Disc, vented	Drum
Dimensions:	279.4 (11") x 24.6 mm	228 (9") x 50mm finned drums
Material:	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper Make:		
Caliper Type:		
Caliper Material:	Cast Iron	
Master cylinder make:		Type: Tandem
Adjustable bias:	No	
Servo Fitted:	Yes	
Comment:	B51 Option included power Brake Servo	

SECTION 2 - ENGINE

2.1 ENGINE

Make: Chrysler
Model: Hemi
No. cylinders: 6
Configuration: Inline
Cylinder block material: Cast Iron
Two/Four Stroke: Four
Bore - Original: 99.31 mm
Max. allowed: 100.81 mm
Stroke - original: 93.47 mm
Capacity - original: 4344 cc
Max. allowed: 4476 cc
Cooling method: Water
Identifying marks: D265
Comment: E49 Option was the 6 pack engine – 302 BHP

2.2 CYLINDER HEAD

Make: Chrysler
No. of valves/cylinder: **Inlet:** One **Exhaust:** One
No. of ports total: **Inlet:** Six **Exhaust:** Six
No. of camshafts: One **Location:** Block **Drive:** Chain
Valve actuation: Pushrod
Spark plugs/cylinder: One
Identifying marks:

2.3 LUBRICATION

Method: Wet Sump **Oil cooler standard:** None
Comment: External single stage, wet, belt driven oil pump allowed. Refer appendix

2.4 IGNITION SYSTEM

Type: Distributor & Coil **Make:**

2.5 FUEL SYSTEM

Carburettor Make: Weber **Model:** DCOE
Carburettor number: Three **Size:** 45

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Borg Beck **Type:** Dry
Diameter: **No. of Plates:** Two
Actuation: Hydraulic

3.2 TRANSMISSION

Type: Single Rail **Make:** Borg Warner
No. forward speeds: Four **Gearbox location:** Behind Engine
Gear change type and location: H Pattern Floor Mounted
Case material: Alloy
Comment: D20 Option was 4 speed manual transmission

3.3 FINAL DRIVE

Type: Live Axle
Make: Borg Warner **Model:** Sure Grip
Wheel drive method: Rear
Ratios: 2.92, 3.23, 3.5
Differential type: Limited Slip
Comment: D53 Option – Sure Grip 3.23 Rear Axle Ratio
D56 Option – Sure Grip 3.50 Rear Axle Ratio

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: One
Description: Tubular Tail Shaft

3.5 WHEELS & TYRES

Wheel type - Original:	A84 Option	Material - Original:	Alloy
Allowed:	Period	Allowed:	Alloy
Fixture method:	Studs	No. studs:	5
Wheel dia. & rim width:	FRONT		REAR
Original:	7" x 14"		7" x 14"
Allowed:	8" x 15"		8" x 15"
Tyres original:	ER70/14		
Tyres allowed:	60% minimum aspect ratio, refer approved tyre list.		

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:	Rear	Capacity:	78 litre
Fuel pump type and location:	Engine Block	Make:	Chrysler
Comments:	A84 option was a track pack that included 157.5l fuel tank and twin filler caps mounted on rear quarter panels. A87 option was a track pack that deleted the 157.5l fuel tank		

4.2 ELECTRICAL SYSTEM

Voltage:	12	Alternator or Dynamo:	Alternator
Battery Location:	Engine Compartment		

4.3 BODYWORK

Type:	Fixed Head Coupe	Material:	Steel
No. of seats:	Five	No. doors:	Two
Comments:	A66 Options include Hood & Fender Dress up Package		

4.4 DIMENSIONS

Track - Front:	1634 mm	Rear:	1644 mm
Wheelbase:	2667 mm	Overall length:	4564 mm
Dry weight:	1349 kg		

4.5 SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix 1

External oil pump

Three options of pump brands permitted, Johnson, Moroso and SCP
The pumps are to be external single stage, wet, belt driven pump.

Maximum width of belt is to be 25mm

Maximum width of rotor / gear on pump is 1.1 inches

Mounting is to be below the horizontal centreline of the water pump.

Piping / Plumbing to be a maximum size of dash 12.

One hose in and one hose out of pump, single pick up, single return, can be via oil cooler / filter.

Pipes connected to the pump must be black in colour