

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

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HELP

## Engine and cooling system Griffith 4.0 1995 to 1997

Type	V8 OHV 179kW	
Capacity (cm <sup>3</sup> ) / number of cylinders	3952 / 8	
Compression ratio / pressure	bar	9.8 /
Oil pressure	bar	—
Oil temperature	°C	—
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order	1-8-4-3-6-5-7-2	
No 1 cylinder position	FL	
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	10.3

## Fuel system Griffith 4.0 1995 to 1997

Idle speed - manual [auto]	rpm	950
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5 WSM
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	_Lucas	
Type / ref	Hot wire	
Main jet / needle	—	
Injection pressure	bar	2.5 to 2.6
Pump pressure	bar	—
Octane rating	RON	98[U]

## Ignition system Griffith 4.0 1995 to 1997

Type	Electronic	
Ignition coil	Bosch	
Primary resistance	ohms	—
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	—	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	—	
Ignition timing - basic [static	° Crankshaft @ rpm	WSM
V = Vacuum NV = No Vacuum	—	
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	—
Maximum vacuum advance	° Crankshaft	—
Spark plugs	NGK	
Type	B7ECS	
Electrode gap	mm	0.75

## Electrical system Griffith 4.0 1995 to 1997

Battery	V / CC / RC	12 /
Alternator voltage / full load current / engine rpm	13.7 to 14.6 / 70A	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

## Running gear Griffith 4.0 1995 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0

<b>Tyres</b>		
Saloon	Size	205/60x15; 225/55x16
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.5 / 1.7
- Estate / Van	bar	—

## Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[20']
Camber	-5' to -10'	
Castor	4°	
King pin inclination	13°20'	

## Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[10'] PW
Camber	-5' to -1°	

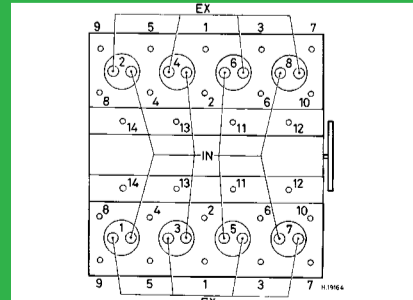
## Torque wrench settings Griffith 4.0 1995 to 1997

Cylinder head - stage 1	Nm	95 Short: 48
- stage 2	Nm	—
- stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	47
Main bearings	Nm	95
Clutch cover	Nm	27
Flywheel [driveplate]	Nm	81
Front hubs	Nm	310 to 350
Rear hubs	Nm	310 to 350
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	17

## Capacities Griffith 4.0 1995 to 1997

Engine oil & filter	litres	4.3
Gearbox - 4-speed [5-speed]	litres	1.3
Automatic transmission - refill	litres	—
Final drive	litres	—
Cooling system	litres	9.3
Fuel tank	litres	57

## Notes and Illustrations

3952 cm<sup>3</sup>