

TVR

Griffith 4.0

1995 to 1997

Engine & Cooling

Fuel

Ignition

Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling system

Griffith 4.0

1995 to 1997

Type		V8 OHV 179kW
Capacity (cm ³) / 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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ 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

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0

Tyres		
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

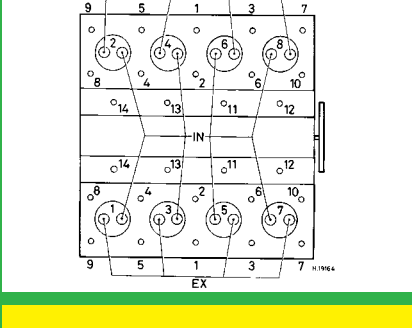
Capacities

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 cm³