



MENU

HELP

1989 to 1993

Capacity (cm ³) / number of cylinders		2849 / 6
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	1.0 [4.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order		1-6-3-5-2-4
No 1 cylinder position		RL
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.8 to 1.2

1989 to 1993

Idle speed - manual [auto]	rpm	700±50 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Renix
Type / ref		Bendix R electronic MPI
Main jet / needle		—
Injection pressure	bar	2.5±0.2
Pump pressure	bar	3.0
Octane rating	RON	98[E 95 RON]

1989 to 1993

Type		AEI
Ignition coil		Renix
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Renix
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	AEI control
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	AEI control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	AEI control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		Eyquem/Champion
Type		C72LJS / S279YC
Electrode gap	mm	0.80±0.05

1989 to 1993

Battery	V / CC / RC	12 / 255 / 85
Alternator voltage / full load current / engine rpm		13.5 to 14.8 / 90, 105 / 3000
Starter motor current / voltage - cranking	A / V	—

1980 to 1993

Runt

Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	6.0 with backing

R

Saloon	Size	195/60x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.5 / 2.3
Pressure - front / rear - Estate / Van	bar	2.5 / 2.3

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-3.0±1.0
Camber		0±30'
Castor		+4°

King pin inclination

Toe-in (+) / Toe-out (-)	mm [°]	+1.0±1.0
Camber		1°15'±20'

Torque wrench settings		25 V6 2.9i (B293)	1989 to 1993
Cylinder head - stage 1	Nm	60, then slacken bolts	
- stage 2	Nm	20 + 106°	
Cylinder head - stage 3	Nm	Warm up engine, then cool	
- stage 4	Nm	+ 45°	
Big-end bearings	Nm	45	
Main bearings	Nm	30 + 75°	
Clutch cover	Nm	25	
Flywheel [driveplate]	Nm	45 [65 to 70]	
Front hubs	Nm	250	
Rear hubs	Nm	160	
Wheel nuts / bolts	Nm	100	

Capacities		25 V6 2.9i (B293)	1989 to 1993
Engine oil & filter	litres	5.5	
Gearbox - 4-speed [5-speed]	litres	3.4	
Automatic transmission - refill	litres	4.0	
Final drive	litres	0.8	
Cooling system	litres	9.5	

Fuel tank

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