

Engine and cooling system

25 2.0 (B297)

1984 to 1993

Type		J6R-N7-06 [AT: J6R-V7-07] 77kW
Capacity (cm³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	9.2 / _
Oil pressure	bar	0.8 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	0.8 to 1.2

Fuel system

25 2.0 (B297)

1984 to 1993

Idle speed - manual [auto]	rpm	700±50 [800±50]
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		Weber
Type / ref		28-36 DARA 0/8 [AT: DARA 1/4]
Main jet / needle		112, 155
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.27
Octane rating	RON	98[L] ¹

Ignition system

25 2.0 (B297)

1984 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		_
Ignition timing - basic [static	° Crankshaft @ rpm	10±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	RE243/291 [AT: RE276]
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	9 to 12 @ 850²
	° Crankshaft @ rpm	13 to 16 @ 1550²
	° Crankshaft @ rpm	23 to 31 @ 4050²
Vacuum range check	mbar	300 @ 4550 rpm
Maximum vacuum advance	° Crankshaft	≥6. RE276: ≥8
Spark plugs		AC/Champion
Type		C42CLTS / S279YC
Electrode gap	mm	0.60±0.05

Electrical system

25 2.0 (B297)

1984 to 1993

Battery	V / CC / RC	12 / 255 / 85
Alternator voltage / full load current / engine rpm		13.5 to 14.8 / 60, 105 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	400 / _

Running gear

25 2.0 (B297)

1984 to 1993

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing ABS: 6.0

Tyres		
Saloon	Size	165x14: 185/70x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.2⁴
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-3.0±1.0
Camber		0±30'
Castor		+2° PAS: +4°
King pin inclination		+12°30'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0⁵
Camber		-1°15'±30'

Torque wrench settings

25 2.0 (B297)

1984 to 1993

Cylinder head - stage 1	Nm	20
- stage 2	Nm	20, + 105°, + 105°
Cylinder head - stage 3	Nm	run for 15 mins.
- stage 4	Nm	cool for 3 hours, then + 20°
Big-end bearings	Nm	45 to 50
Main bearings	Nm	88 to 98
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	60 [65 to 70]
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

Capacities

25 2.0 (B297)

1984 to 1993

Engine oil & filter	litres	6.2
Gearbox - 4-speed [5-speed]	litres	2.2
Automatic transmission - refill	litres	2.5
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	67. Later: 72

Notes and Illustrations

¹1.89 ►: [E 95 RON]

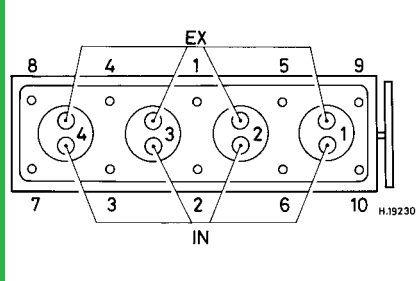
²RE276: 9 to 15 @ 750, 10 to 13 @ 1550, 24 to 26 @ 4050

⁴AT: 2.1 / 2.2

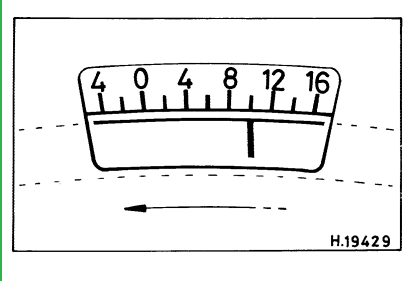
⁵1986 ►: +1.0±1.0

1: Idle speed

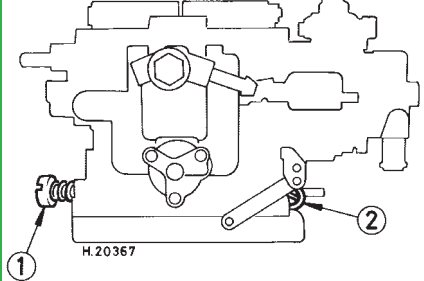
2: CO / Mixture



1995 cm³, 8V



1995 cm³, 8V



Weber DARA