

Engine & Cooling

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Automotive Technical
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Engine and cooling system

626, 2.0i GT

1987 to 1990

Type		FE. DOHC 16V
Capacity (cm³) / number of cylinders		1998 / 4
Compression ratio / pressure	bar	10.0 / ≥10.0
Oil pressure	bar	[3.5 to 4.4]
Oil temperature	°C	—
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	83 to 86 and 86 to 89
Radiator cap pressure	bar	1.04

Fuel system

626, 2.0i GT

1987 to 1990

Idle speed - manual [auto]	rpm	750±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	≤1000
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		—
Type / ref		EFI
Main jet / needle		—
Injection pressure	bar	2.3 to 2.8
Pump pressure	bar	4.4 to 5.9
Octane rating	RON	95[E 95 RON]

Ignition system

626, 2.0i GT

1987 to 1990

Type		Electronic
Ignition coil		—
Primary resistance	ohms	0.72 to 0.88
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	12-1 BTDC @ idle
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		NGK/Champion
Type		BCPR6E / RC7YC
Electrode gap	mm	1.00 to 1.05

Electrical system

626, 2.0i GT

1987 to 1990

Battery	V / CC / RC	12 / 50Ah
Alternator voltage / full load current / engine rpm		14.1 to 14.7 / _ / 2000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear

626, 2.0i GT

1987 to 1990

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	195/60x15
Estate / Van	Size	195/60x15
Pressure - front / rear - Saloon	bar	1.9 / 1.9
- Estate / Van	bar	1.9 / 1.9

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+3.0±3.0 ¹
Camber		+17'±45'
Castor		+1°13'±45'
King pin inclination		+12°47'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±3.0 ²
Camber		-30'±45' [4WS: 0±45']

Torque wrench settings

626, 2.0i GT

1987 to 1990

Cylinder head - stage 1	Nm	80 to 86
- stage 2	Nm	—
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	69 to 73
Main bearings	Nm	83 to 88
Clutch cover	Nm	22 to 32
Flywheel [driveplate]	Nm	96 to 103
Front hubs	Nm	235 to 319
Rear hubs	Nm	98 to 117
Wheel nuts / bolts	Nm	108
Spark plugs	Nm	15 to 23

Capacities

626, 2.0i GT

1987 to 1990

Engine oil & filter	litres	4.3
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	6.3
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	60. 4WS: 57

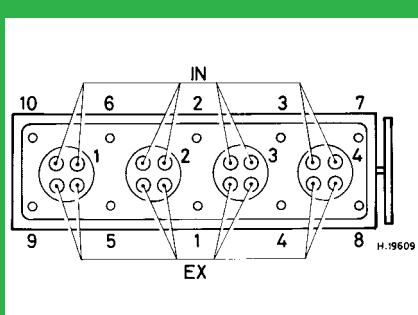
Notes and Illustrations

¹Estate: 0±3.0

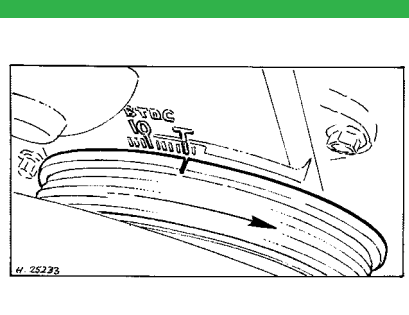
²4WS: +3.0±3.0

1: Idle speed

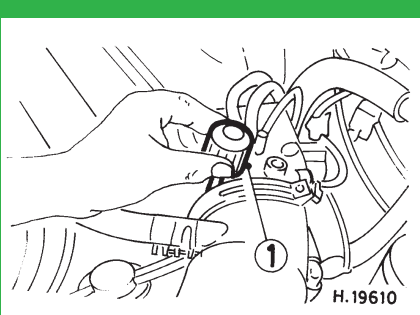
2: CO / Mixture



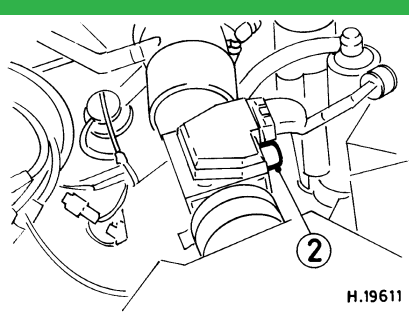
1998 cm³, 16V



1998 cm³, 16V



EFi, 16V



EFi, 16V