

Engine & Cooling

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Automotive Technical
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Engine and cooling system605 V6 24V1995 to 1997

Type		ZPJ4/L/Z(UKZ) DOHC 24V 147kW
Capacity (cm ³) / number of cylinders		2963 / 6
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	[4.2 to 5.8]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-6-3-5-2-4
No 1 cylinder position		FEL
Thermostat opening temperature	°C	78
Radiator cap pressure	bar	1.4

Fuel system605 V6 24V1995 to 1997

Idle speed - manual [auto]	rpm	800±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
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		_Bendix
Type / ref		Fenix 4 MPI
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system605 V6 24V1995 to 1997

Type		Computerized
Ignition coil		0.7
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	Computer control N/A
V = Vacuum NV = No Vacuum		
Total ignition advance	° Crankshaft @ rpm	Computer control
	° 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		_/Champion
Type		RC7BMC
Electrode gap	mm	N/A

Electrical system605 V6 24V1995 to 1997

Battery	V / CC / RC	12 / 75Ah
Alternator voltage / full load current / engine rpm		_
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear605 V6 24V1995 to 1997

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

Tyres		
Saloon	Size	225/50x16
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.4±1.0
Camber		-16'±30'
Castor		2°40'±30'
King pin inclination		13°33'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.8±0.6
Camber		-1°30'±30'

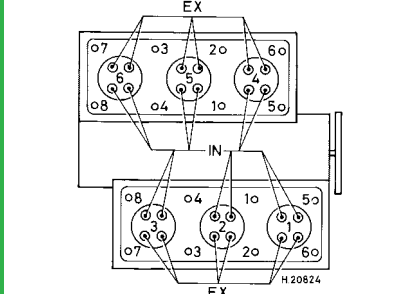
Torque wrench settings605 V6 24V1995 to 1997

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	40
- stage 4	Nm	+180°
Big-end bearings	Nm	25 + 75°
Main bearings	Nm	70, slacken, then 30 + 75°
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	50
Front hubs	Nm	345
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	28 to 30

Capacities605 V6 24V1995 to 1997

Engine oil & filter	litres	6.5
Gearbox - 4-speed [5-speed]	litres	2.2
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	10.0
Fuel tank	litres	80

Notes and Illustrations



2963 cm³, 24V