

Engine & Cooling

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Automotive Technical
DATA BOOK

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Engine and cooling system75, 1.8TB (Turbo)1988 to 1992

Type		061.34 DOHC (114kW)
Capacity (cm³) / number of cylinders		1779 / 4
Compression ratio / pressure	bar	7.5 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	90
Valve clearance - inlet	mm	0.40
Valve clearance - exhaust	mm	0.60
Firing order		1-3-4-2
No 1 cylinder position		TCE
Thermostat opening temperature	°C	81 to 85
Radiator cap pressure	bar	0.69

Fuel system75, 1.8TB (Turbo)1988 to 1992

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤300
CO2 @ idle speed [3000 rpm] - see page VI	%	≥12.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		L-Jetronic
Main jet / needle		_
Injection pressure	bar	2.0 to 3.0
Pump pressure	bar	3.8
Octane rating	RON	98[E 95 RON]

Ignition system75, 1.8TB (Turbo)1988 to 1992

Type		Electronic
Ignition coil		Bosch 0 221 600 002
Primary resistance	ohms	0.5±10%
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	9 BTDC @ idle (mark F)
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 600
	° Crankshaft @ rpm	9 to 12 @ 2000
	° Crankshaft @ rpm	27 to 31 @ 5100
Vacuum range check	mbar	133 to 280
Maximum vacuum advance	° Crankshaft	14 to 19
Spark plugs		Lodge/Champion
Type		25HL / N6YCC
Electrode gap	mm	Champion: 0.80

Electrical system75, 1.8TB (Turbo)1988 to 1992

Battery	V / CC / RC	12 / 255 / 55Ah
Alternator voltage / full load current / engine rpm		14.0 / _ / 3000
Starter motor current / voltage - cranking	A / V	220 to 250 / 9.0 to 9.8
- locked	A / V	290 to 480 / 5.0 to 7.4

Running gear75, 1.8TB (Turbo)1988 to 1992

Brakes -		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	7.0 with backing

Tyres		
Saloon	Size	195/60x14: 195/55x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.1 / 2.1
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-2.0±1.0
Camber		-30'±30'
Castor		+4°30'±30'
King pin inclination		_

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[0±10']
Camber		0±30'

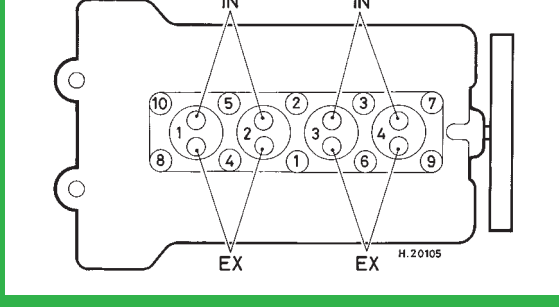
Torque wrench settings75, 1.8TB (Turbo)1988 to 1992

Cylinder head - stage 1	Nm	71 to 73
- stage 2	Nm	Warm up, 75 to 76
Cylinder head - stage 3	Nm	1000km: - 360°
- stage 4	Nm	76 to 78
Big-end bearings	Nm	49 to 52 oiled
Main bearings	Nm	46 to 49 oiled
Clutch cover	Nm	13 to 16
Flywheel [driveplate]	Nm	113, LkC
Front hubs	Nm	WSM
Rear hubs	Nm	265 to 324
Wheel nuts / bolts	Nm	98
Spark plugs	Nm	25 to 34 oiled

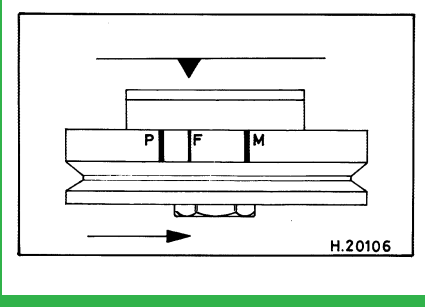
Capacities75, 1.8TB (Turbo)1988 to 1992

Engine oil & filter	litres	5.6
Gearbox - 4-speed [5-speed]	litres	2.3
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	8.0
Fuel tank	litres	49

Notes and Illustrations



1779 cm³



1779 cm³