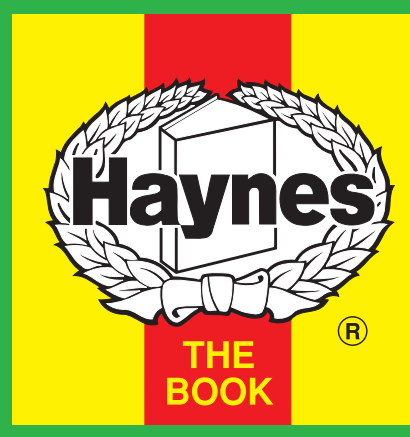


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling system Toledo 2.0i & CAT 1991 to 1997

Type		2E SOHC 85kW
Capacity (cm ³) / number of cylinders		1984 / 4
Compression ratio / pressure	bar	10.0 / ≥7.5
Oil pressure	bar	[2.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	85
Radiator cap pressure	bar	1.2 to 1.5

Fuel system Toledo 2.0i & CAT 1991 to 1997

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	2500 to 2800
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 [≤0.3]
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	-
O ₂ @ idle speed [3000 rpm] - see page VI	%	-
Carburettor / fuel injection		Volkswagen
Type / ref		Digifant
Main jet / needle		-
Injection pressure	bar	2.5
Pump pressure	bar	3.0
Octane rating	RON	95[E 95 RON] ¹

Ignition system Toledo 2.0i & CAT 1991 to 1997

Type		Digifant
Ignition coil		-
Primary resistance	ohms	0.5 to 0.7
Ballast resistor	ohms	-
Voltage - Tmnl 15(+) to earth	V	-
Distributor		Bosch
Points gap (air gap)	mm	-
Dwell angle	° (%)	-
Condenser capacity	µF	-
Rotation		-
Ignition timing - basic [static	° Crankshaft @ rpm	6±1 BTDC @ 2000 to 2500 ²
V = Vacuum NV = No Vacuum		V
Total ignition advance	° Crankshaft @ rpm	30±3 BTDC @ 2300 ³
	° 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		N7BMC
Electrode gap	mm	≤0.60

Electrical system Toledo 2.0i & CAT 1991 to 1997

Battery	V / CC / RC	12 / 265 / 54Ah
Alternator voltage / full load current / engine rpm		12.5 to 14.5 / 65, 90 / 3000
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	-

Running gear Toledo 2.0i & CAT 1991 to 1997

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

Tyres		
Saloon	Size	175/70x13: 185/60x14
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	2.0 / 1.8
- Estate / Van	bar	-

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber		-42'±20'
Castor		+1°55'±30'
King pin inclination		-

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	20'±10'
Camber		-1°30'±10'

Torque wrench settings Toledo 2.0i & CAT 1991 to 1997

Cylinder head - stage 1	Nm	40
- stage 2	Nm	60
- stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 + 90°
Main bearings	Nm	65
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	60 + 90° N
Front hubs	Nm	260
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	30

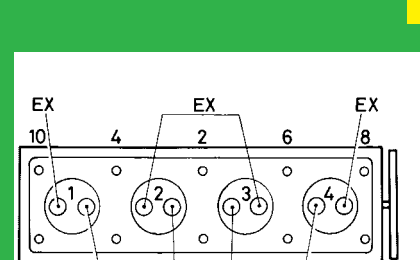
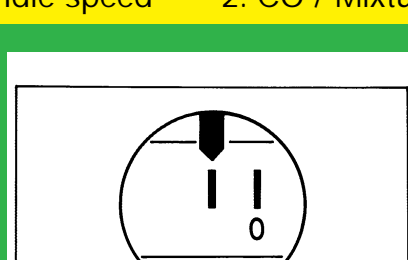
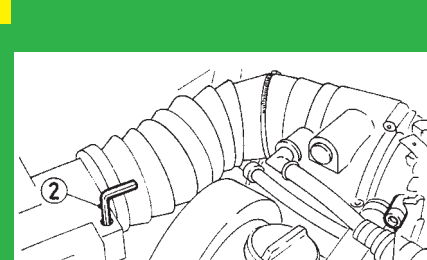
Capacities Toledo 2.0i & CAT 1991 to 1997

Engine oil & filter	litres	3.8
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	3.0
Final drive	litres	WT
Cooling system	litres	6.2
Fuel tank	litres	55

Notes and Illustrations

¹CAT: [U]²Temperature sender plug disconnected³Temperature sender plug connected

1: Idle speed 2: CO / Mixture

1984 cm³, SOHC 8V1984 cm³, 8V

Digifant, 2E