

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
------------------	------	----------	------------	--------------	-----------------	------------	-----------------------



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 1.8i 16V CAT 1991 to 1994

Type		PL DOHC 16V 92kW
Capacity (cm ³) / number of cylinders		1781 / 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	1.3 to 1.5

Fuel system Toledo 1.8i 16V CAT 1991 to 1994

Idle speed - manual [auto]	rpm	850 to 950
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.2 to 1.2 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Bosch
Type / ref		KE-Jetronic
Main jet / needle		—
Injection pressure	bar	3.0 to 4.1
Pump pressure	bar	5.2 to 5.6
Octane rating	RON	95[U]

Ignition system Toledo 1.8i 16V CAT 1991 to 1994

Type		FEI
Ignition coil		Bosch
Primary resistance	ohms	0.6 to 0.8
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 @ 850 to 950
V = Vacuum NV = No Vacuum		V
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
Type		BKUR7ET
Electrode gap	mm	0.70 to 0.90

Electrical system Toledo 1.8i 16V CAT 1991 to 1994

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 1.8i 16V CAT 1991 to 1994

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

Tyres		
Saloon	Size	195/50x15: 185/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 2.0
- 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 1.8i 16V CAT 1991 to 1994

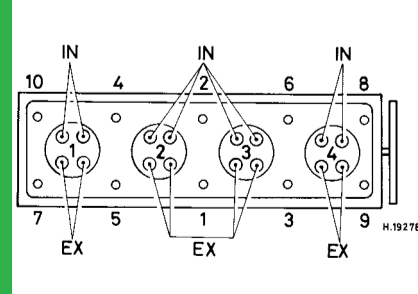
Cylinder head - stage 1	Nm	40
- stage 2	Nm	60
- stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 + 90°
Main bearings	Nm	65
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	60 + 90° N
Front hubs	Nm	260
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	30

Capacities Toledo 1.8i 16V CAT 1991 to 1994

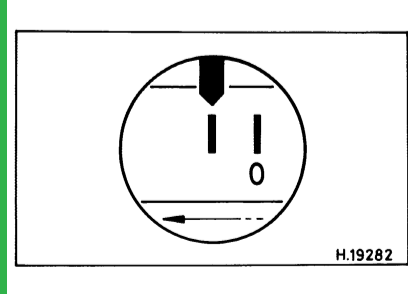
Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	6.2
Fuel tank	litres	55

Notes and Illustrations

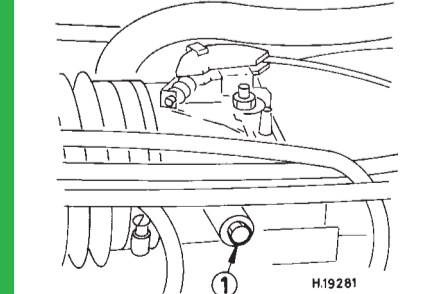
1: Idle speed 2: CO / Mixture



1781 cm³, DOHC 16V



1781 cm³, 16V



KE-Jetronic