

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 CX 25 Turbo 2 1986 to 1989

Type		M25 / 666
Capacity (cm <sup>3</sup> ) / number of cylinders		2500 / 4
Compression ratio / pressure	bar	8.5 / _
Oil pressure	bar	[4.0 to 5.0]
Oil temperature	°C	90
Valve clearance - inlet	mm	0.15
Valve clearance - exhaust	mm	0.20
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	86
Radiator cap pressure	bar	1.0

### Fuel system CX 25 Turbo 2 1986 to 1989

Idle speed - manual [auto]	rpm	750 to 800
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	≤100
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	≥10.0
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		LE-Jetronic + T3 Turbo
Main jet / needle		_
Injection pressure	bar	2.0
Pump pressure	bar	2.0 to 2.5
Octane rating	RON	98[L]

### Ignition system CX 25 Turbo 2 1986 to 1989

Type		AEI
Ignition coil		2x Delco-Remy
Primary resistance	ohms	1.0 to 1.2
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	10 BTDC @ 800
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	EC002-ED003
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	9 to 11 @ 1000
	° Crankshaft @ rpm	22 to 25 @ 2000
	° Crankshaft @ rpm	27 to 29 @ 5300
Vacuum range check	mbar	0 to 350
Maximum vacuum advance	° Crankshaft	21 to 23
Spark plugs		AC/Champion
Type		C42CFS / C82YC
Electrode gap	mm	0.80 to 0.90

### Electrical system CX 25 Turbo 2 1986 to 1989

Battery	V / CC / RC	12 / 250 / 55, 70Ah
Alternator voltage / full load current / engine rpm		13.5 / _ / 3000
Starter motor current / voltage - cranking	A / V	300 / 9
- locked	A / V	480 / 7.3

### Running gear CX 25 Turbo 2 1986 to 1989

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0

<b>Tyres</b>		
Saloon	Size	210/55x390 TRX
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 1.5
- Estate / Van	bar	_

### Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 4.0
Camber		0-29'+13'
Castor		-25' to -1°15'
King pin inclination		_

### Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0 to +4.0
Camber		0+0-24'

### Torque wrench settings CX 25 Turbo 2 1986 to 1989

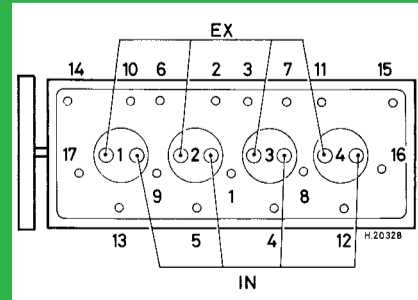
Cylinder head - stage 1	Nm	40
- stage 2	Nm	+ 100°
Cylinder head - stage 3	Nm	+ 100°, warm up engine
- stage 4	Nm	Cool for 3 hrs, + 45°
Big-end bearings	Nm	92
Main bearings	Nm	95
Clutch cover	Nm	23
Flywheel [driveplate]	Nm	90
Front hubs	Nm	375
Rear hubs	Nm	400
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	15 to 20

### Capacities CX 25 Turbo 2 1986 to 1989

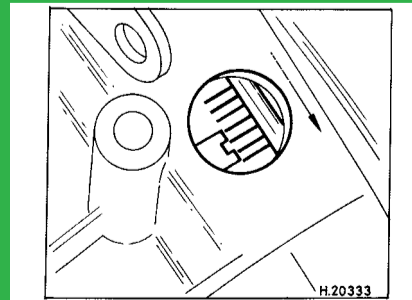
Engine oil & filter	litres	6.0
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	13.0
Fuel tank	litres	68

### Notes and Illustrations

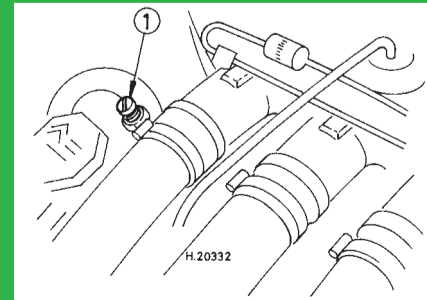
1: Idle speed 2: CO / Mixture



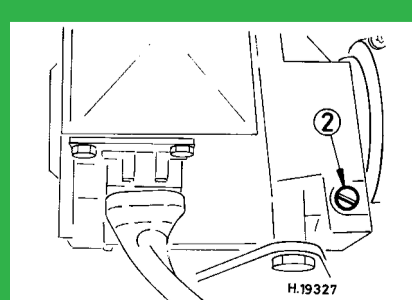
2500 cm<sup>3</sup>



2500 cm<sup>3</sup>



LE-Jetronic



LE-Jetronic