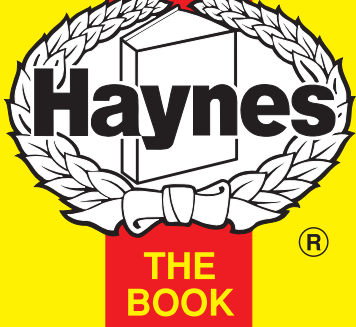




Automotive Technical
DATA BOOK

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.

MENUHELP

Engine and cooling system

CX 2500

1983 to 1990

Type		M25 / 659
Capacity (cm ³) / number of cylinders		2500 / 4
Compression ratio / pressure	bar	8.75 / _
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 2500

1983 to 1990

Idle speed - manual [auto]	rpm	750 to 800 [800±50]
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
CO2 @ idle speed [3000 rpm] - see page VI	%	≥10.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		L-Jetronic
Main jet / needle		_
Injection pressure	bar	2.0
Pump pressure	bar	2.0 to 2.5
Octane rating	RON	98[L]

Ignition system

CX 2500

1983 to 1990

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	LA8-LD4
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	8 to 12 @ 0 to 1000
	° Crankshaft @ rpm	24 to 28 @ 2000
	° Crankshaft @ rpm	27 to 31 @ 2500
Vacuum range check	mbar	80 to 240
Maximum vacuum advance	° Crankshaft	13 to 17
Spark plugs		AC/Champion
Type		C42CFS / RL82YCC
Electrode gap	mm	0.80 to 0.90

Electrical system

CX 2500

1983 to 1990

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 2500

1983 to 1990

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0

Tyres		
Saloon	Size	195/70x14: 190/65x390
Estate / Van	Size	190/65x390: 195/70x14
Pressure - front / rear - Saloon	bar	2.4 / 2.0 ¹
- Estate / Van	bar	2.4 / 1.9 ²

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 2500

1983 to 1990

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 [80 to 90]
Front hubs	Nm	375
Rear hubs	Nm	400 [Estate: 600]
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	15 to 20

Capacities

CX 2500

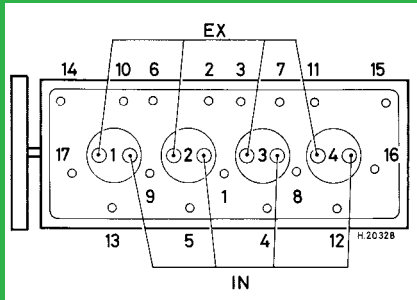
1983 to 1990

Engine oil & filter	litres	5.3 [86 ►: 5.5]
Gearbox - 4-speed [5-speed]	litres	1.6
Automatic transmission - refill	litres	2.5
Final drive	litres	WT
Cooling system	litres	12.3
Fuel tank	litres	68

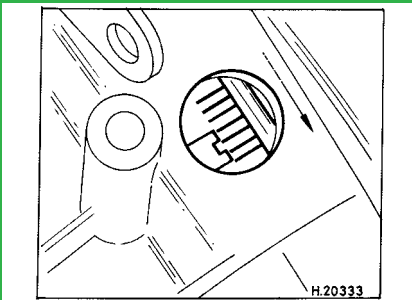
Notes and Illustrations

¹TRX: 2.2 / 1.4
²TRX: 2.4 / 1.9 - not 1986 ►

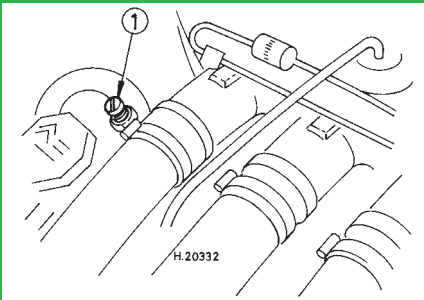
1: Idle speed 2: CO / Mixture



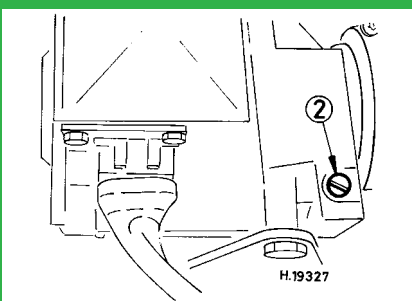
2500 cm³



2500 cm³



L-Jetronic



L-Jetronic