Haynes THE BOOK

Automotive Technical

DATA BOOK

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Engine and cooling system

CX 22 1985 to 1991

Type		J6TA500
Capacity (cm³) / number of cylinders		2165 / 4
Compression ratio / pressure	bar	9.8 / _
Oil pressure	bar	1.4 [4.4]
Oil temperature	ºC	90
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	ºC	86
Radiator cap pressure	bar	1.0

Fuel system

CX 22 1985 to 1991

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	1400 to 1500
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	%	≥9.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber
Type / ref		34 DMTR 110 / 100 W 145-50
Main jet / needle		115, 97[1]
Injection pressure	bar	_
Pump pressure	bar	≤0.33
Octane rating	RON	98[E 95 RON]

Ignition system

CX 22 1985 to 1991

Type		Electronic
Ignition coil		Bosch, Ducellier
Primary resistance	ohms	0.70 to 0.94
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Ducellier
Points gap (air gap)	mm	_
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	º Crankshaft @ rpm	10±1 BTDC @ 800
V = Vacuum NV = No Vacuum		NV
Total ignition advance	º Crankshaft @ rpm	C022-D017
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	0 @ 1000 to 1400
	º Crankshaft @ rpm	11 to 15 @ 3000
	º Crankshaft @ rpm	20 to 24 @ 5000
Vacuum range check	mbar	90 to 430
Maximum vacuum advance	º Crankshaft	18 to 22
Spark plugs		Eyquem/Champion
Type		C72LJS / S7YCC
Electrode gap	mm	0.80

Electrical system

CX 22 1985 to 1991

Battery	V / CC / RC	12 / 250 / 45, 70Ah
Alternator voltage / full load current / engine rpm		13.5 / _ / 4000
Starter motor current / voltage - cranking	A / V	130 to 160 / _
- locked	A / V	355 to 380 / 6.8 to 7.2

Running gear

CX 22 1985 to 1991

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0
Tyres		
Saloon	Size	185/70x14: 195/70x14
Estate / Van	Size	195/70x14
Pressure - front / rear - Saloon	bar	2.2 / 2.1
- Estate / Van	bar	2.5 / 2.3
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	+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 [º]	0 to +4.0
Camber		0+0-24'

Torque wrench settings

CX 22 1985 to 1991

Cylinder head - stage 1	Nm	50
- stage 2	Nm	80
Cylinder head - stage 3	Nm	93, warm up
- stage 4	Nm	Cool for 2 hours, 93
Big-end bearings	Nm	65
Main bearings	Nm	88 to 98
Clutch cover	Nm	23
Flywheel [driveplate]	Nm	60 to 65 locked
Front hubs	Nm	375
Rear hubs	Nm	400
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	10 to 13

Capacities

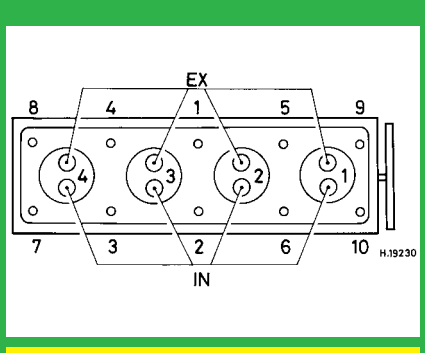
CX 22 1985 to 1991

Engine oil & filter	litres	5.3
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	12.0
Fuel tank	litres	68

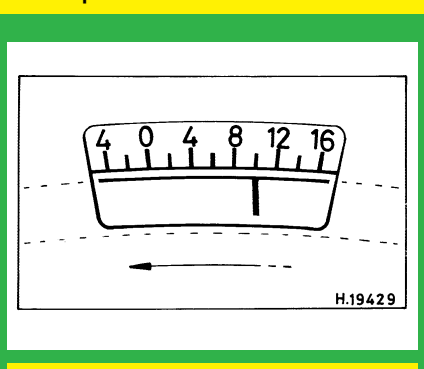
Notes and Illustrations

[1]30.10.85 ▶: 115, 117

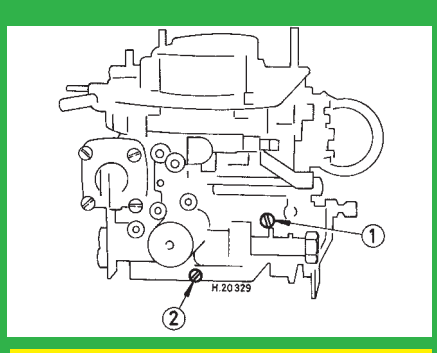
1: Idle speed 2: CO / Mixture



2165 cm³



2165 cm³



Weber DMTR