

CITROËN

CX 20

1982 to 1988

Engine & Cooling

Fuel

Ignition

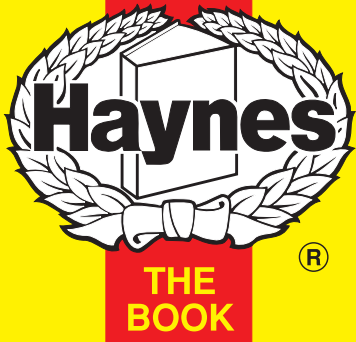
Electrical

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.

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HELP

Engine and cooling system

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Type		829A500 / 501
Capacity (cm ³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	9.2 / _
Oil pressure	bar	1.4 [4.4]
Oil temperature	°C	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	°C	78
Radiator cap pressure	bar	1.0

Fuel system

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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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber/Solex
Type / ref		W: 34 DMTR 46. S: 34 CICF 214
Main jet / needle		W: 112, 120. S: 127.5, 115
Injection pressure	bar	_
Pump pressure	bar	≤0.33
Octane rating	RON	97[RA] ¹

Ignition system

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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	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10±1 BTDC @ 750 to 800 ¹
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	R303-D59
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1000 to 1400
	° Crankshaft @ rpm	11 to 15 @ 3000
	° Crankshaft @ rpm	20 to 24 @ 5000
Vacuum range check	mbar	67 to 480
Maximum vacuum advance	° Crankshaft	12 to 16
Spark plugs		AC/Champion
Type		42LTS / S9YCC
Electrode gap	mm	0.60 to 0.70

Electrical system

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

Running gear

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

Tyres		
Saloon	Size	185x14: 185/70x14: 195/70x14
Estate / Van	Size	185x14: 195/70x14
Pressure - front / rear - Saloon	bar	2.0 / 2.1 ²
- Estate / Van	bar	2.0 / 2.2 ³

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

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Cylinder head - stage 1	Nm	50
- stage 2	Nm	80
Cylinder head - stage 3	Nm	- 90°
- stage 4	Nm	93
Big-end bearings	Nm	45 to 50
Main bearings	Nm	88 to 98
Clutch cover	Nm	23
Flywheel [driveplate]	Nm	60 to 65 locked
Front hubs	Nm	350 to 400
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	70 to 90
Spark plugs	Nm	15 to 20

Capacities

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Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	1.6
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	9.0
Fuel tank	litres	68

Notes and Illustrations

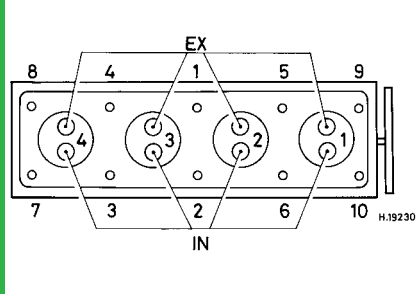
¹[E 95 RON]: 8 BTDC @ 900

²1986 ►: 2.2 / 2.1

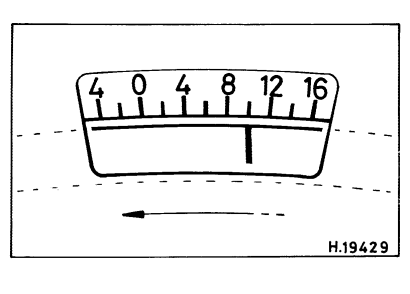
³PAS: 1.9 / 2.1. 195/70x14: 2.4 / 2.0, 1986 ►: 2.5 / 2.3

1: Idle speed

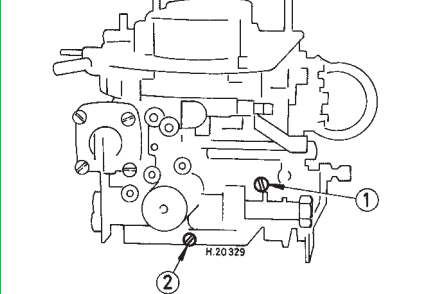
2: CO / Mixture



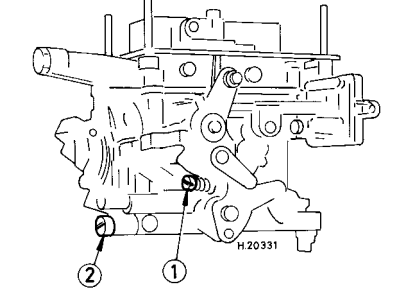
1995 cm³



1995 cm³



Weber DMTR



Solex CICF