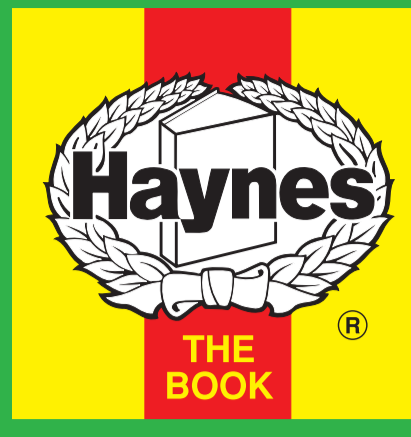


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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 Cinquecento 900 CAT 1992 to 1994

Type		170 A1.046 OHV 30kW US83
Capacity (cm ³) / number of cylinders		903 / 4
Compression ratio / pressure	bar	9.0±0.15 / _
Oil pressure	bar	[2.9 to 3.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-3-4-2
No 1 cylinder position		TCE
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	0.98

Fuel system Cinquecento 900 CAT 1992 to 1994

Idle speed - manual [auto]	rpm	850±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber-Marelli
Type / ref		IAW SPI 6F.SO
Main jet / needle		_
Injection pressure	bar	1.1±0.2
Pump pressure	bar	≤2.6
Octane rating	RON	95[U]

Ignition system Cinquecento 900 CAT 1992 to 1994

Type		IAW Static
Ignition coil		2x BAE 800 AK
Primary resistance	ohms	0.495 to 0.605
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Weber-Marelli
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	13±1.5 BTDC @ 850 to 900 N/A
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	Computer
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	Computer
Maximum vacuum advance	° Crankshaft	_
Spark plugs		Champion
Type		RN9YCC
Electrode gap	mm	0.85 to 0.95

Electrical system Cinquecento 900 CAT 1992 to 1994

Battery	V / CC / RC	12 / 200 / 40Ah
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 55 / 3500
Starter motor current / voltage - cranking	A / V	180 / 9.1
- locked	A / V	324 / 7.1

Running gear Cinquecento 900 CAT 1992 to 1994

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5
Tyres		
Saloon	Size	145/70x13: 155/65x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber		+30'±30' N/A
Castor		+1°50'±30' N/A
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±3.0 N/A
Camber		+20'±30' N/A

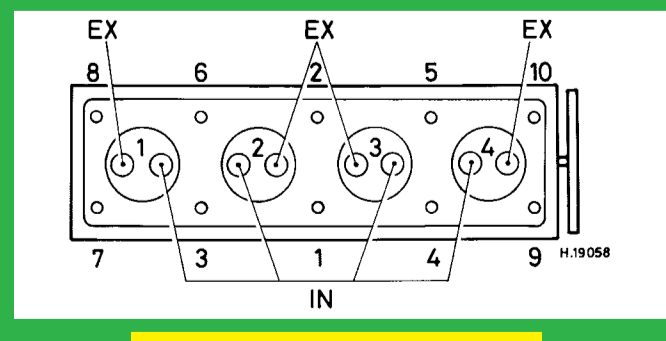
Torque wrench settings Cinquecento 900 CAT 1992 to 1994

Cylinder head - stage 1	Nm	20
- stage 2	Nm	40
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	41
Main bearings	Nm	69
Clutch cover	Nm	10
Flywheel [driveplate]	Nm	44
Front hubs	Nm	WSM
Rear hubs	Nm	216
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	32

Capacities Cinquecento 900 CAT 1992 to 1994

Engine oil & filter	litres	3.75
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	4.8
Fuel tank	litres	35

Notes and Illustrations



903 cm³OHV