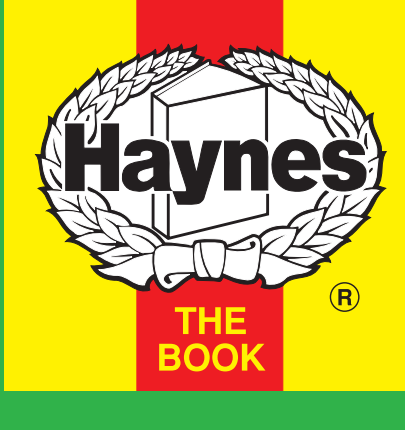


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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.

MENUHELP

Engine and cooling system

Cinquecento Sporting

1995 to 1997

Type		176 B2.000 40kW SOHC 8V CF2
Capacity (cm³) / number of cylinders		1108 / 4
Compression ratio / pressure	bar	9.6 / _
Oil pressure	bar	0.7 [4.0±0.4]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.40±0.05
Valve clearance - exhaust	mm	0.50±0.05
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	0.98

Fuel system

Cinquecento Sporting

1995 to 1997

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	_
CO2 @ idle speed [3000 rpm] - see page VI	%	≥13.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_Weber-Marelli
Type / ref		SPI IAW 16F S3`
Main jet / needle		_
Injection pressure	bar	1.0±0.06
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system

Cinquecento Sporting

1995 to 1997

Type		Static
Ignition coil		Marelli BAE 800AK x2
Primary resistance	ohms	0.495 to 0.605
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±3 BTDC @ 850±50
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	_
Maximum vacuum advance	° Crankshaft	_
Spark plugs		Fiat/Champion
Type		9GYSSR / RC9YCC
Electrode gap	mm	0.85 to 0.95

Electrical system

Cinquecento Sporting

1995 to 1997

Battery	V / CC / RC	12 / 40Ah
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 65A
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

Cinquecento Sporting

1995 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	155/65x13:165/55x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0.0±1.0
Camber		0°4'±30'
Castor		1°49'±30'
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±3.0
Camber		0°8'±30'

Torque wrench settings

Cinquecento Sporting

1995 to 1997

Cylinder head - stage 1	Nm	30
- stage 2	Nm	+90°
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	_
Big-end bearings	Nm	41
Main bearings	Nm	40 +90°
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	44
Front hubs	Nm	240
Rear hubs	Nm	216
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	27

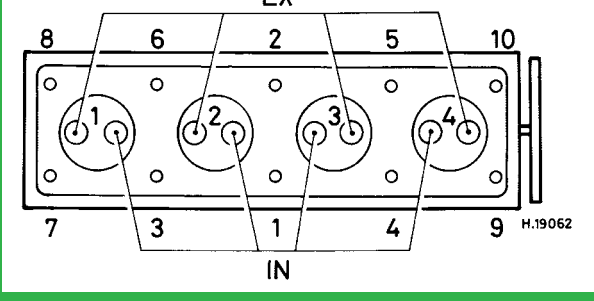
Capacities

Cinquecento Sporting

1995 to 1997

Engine oil & filter	litres	3.47
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



1108 cm³