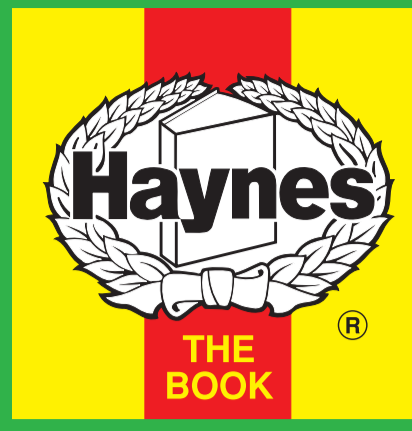


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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 704 1992 to 1993

Type		170 A.000 OHV 23kW
Capacity (cm ³) / number of cylinders		704 / 2
Compression ratio / pressure	bar	9.0 / _
Oil pressure	bar	[3.9 to 4.4]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.15±0.05
Valve clearance - exhaust	mm	0.15±0.05
Firing order		1-2
No 1 cylinder position		_
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	0.98

Fuel system Cinquecento 704 1992 to 1993

Idle speed - manual [auto]	rpm	850±50
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
Type / ref		30 DGF 7/750
Main jet / needle		105, 97
Injection pressure	bar	_
Pump pressure	bar	0.19 to 0.28
Octane rating	RON	95[E 95 RON]

Ignition system Cinquecento 704 1992 to 1993

Type		Nanoplex Static
Ignition coil		BAE 800 DK
Primary resistance	ohms	0.495 to 0.605
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10±2 BTDC @ 850±50
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	46±2 @ 4200 to 5000
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	_
Maximum vacuum advance	° Crankshaft	_
Spark plugs		Bosch/Champion
Type		WR7DC / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical system Cinquecento 704 1992 to 1993

Battery	V / CC / RC	12 / 150 / 32Ah
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 55 / 3500
Starter motor current / voltage - cranking	A / V	200 / 9.8 to 10.0
- locked	A / V	440 / 7.6

Running gear Cinquecento 704 1992 to 1993

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

Tyres		
Saloon	Size	135/70x13; 145/70x13
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 704 1992 to 1993

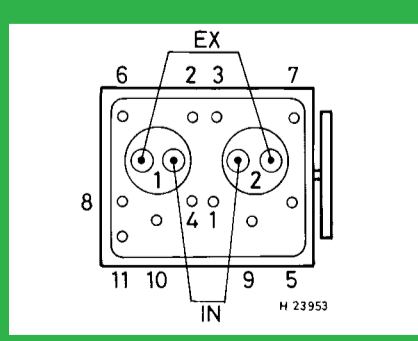
Cylinder head - stage 1	Nm	M10: 20 + 90° + 90°
- stage 2	Nm	M8: 20 + 70°
Cylinder head - stage 3	Nm	M8 (side): 20 + 50°
- stage 4	Nm	_
Big-end bearings	Nm	34
Main bearings	Nm	27
Clutch cover	Nm	10
Flywheel [driveplate]	Nm	44
Front hubs	Nm	WSM
Rear hubs	Nm	216
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	28

Capacities Cinquecento 704 1992 to 1993

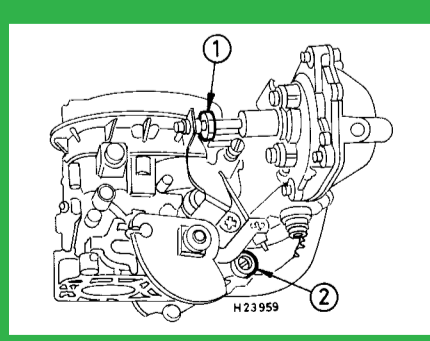
Engine oil & filter	litres	2.25
Gearbox - 4-speed [5-speed]	litres	1.4
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	4.0
Fuel tank	litres	35

Notes and Illustrations

1: Idle speed 2: CO / Mixture



704 cm³



Weber DGF