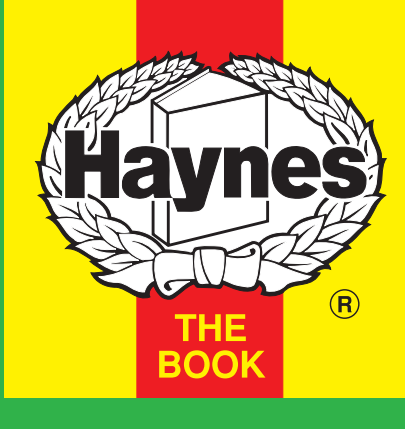


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical
DATA BOOK

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
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Engine and cooling systemPunto GT1994 to 1997

Type		176 A4.000 Turbo 98kW
Capacity (cm³) / number of cylinders		1372 / 4
Compression ratio / pressure	bar	7.8 / _
Oil pressure	bar	1.0 [3.7]
Oil temperature	°C	80
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	80
Radiator cap pressure	bar	0.98

Fuel systemPunto GT1994 to 1997

Idle speed - manual [auto]	rpm	850±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.35
HC @ idle speed [3000 rpm] - see page VI	ppm	≤90
CO2 @ idle speed [3000 rpm] - see page VI	%	≥13.0
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_ Bosch
Type / ref		Motronic M2.7 MPi
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition systemPunto GT1994 to 1997

Type		Motronic
Ignition coil		Bosch 0.221.503.407
Primary resistance	ohms	0.45 to 0.55
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	° (%)	N/A
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	5±2 BTDC @ 850±50 N/A
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs		_/Champion
Type		RC7BYC4
Electrode gap	mm	0.80 to 1.00

Electrical systemPunto GT1994 to 1997

Battery	V / CC / RC	12 / 200 / 40Ah
Alternator voltage / full load current / engine rpm		14.3 to 14.6 / 65 / _
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gearPunto GT1994 to 1997

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

Tyres		
Saloon	Size	185/55x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.4 / 2.0
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber		-50'±30'
Castor		1°20'±30'
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.2±2.0
Camber		-35'±30'

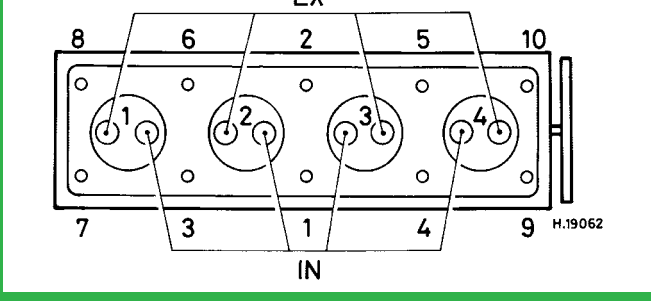
Torque wrench settingsPunto GT1994 to 1997

Cylinder head - stage 1	Nm	40
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	_
Big-end bearings	Nm	51
Main bearings	Nm	80
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	83
Front hubs	Nm	280
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	27

CapacitiesPunto GT1994 to 1997

Engine oil & filter	litres	3.96
Gearbox - 4-speed [5-speed]	litres	1.98
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.0
Fuel tank	litres	51

Notes and Illustrations



1372 cm³