

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.

MENU

HELP

Engine and cooling systemPunto 60 SX/S1996 to 1997

Type		176 B4.000 SOHC 44kW CF2
Capacity (cm³) / number of cylinders		1242 / 4
Compression ratio / pressure	bar	9.8 / _
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 systemPunto 60 SX/S1996 to 1997

Idle speed - manual [auto]	rpm	850±50 Computer control
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 06F.S3
Main jet / needle		_
Injection pressure	bar	1.0±0.006
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition systemPunto 60 SX/S1996 to 1997

Type		IAW Static
Ignition coil		Marelli / BAE 800 K
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	° (%)	N/A
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	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		Marelli/Champion
Type		L7LCR / RC9YCC
Electrode gap	mm	_

Electrical systemPunto 60 SX/S1996 to 1997

Battery	V / CC / RC	12 / 200 / 40Ah or 250 / 50
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 60 SX/S1996 to 1997

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

Tyres		
Saloon	Size	165/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 1.9
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber		-0°18'±30' PAS: -0°25'±30'
Castor		1°20'±30' PAS: 2°50'±30'
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.3±2.0 PAS: 1.1±2.0
Camber		-15'±30' PAS: -25'±30'

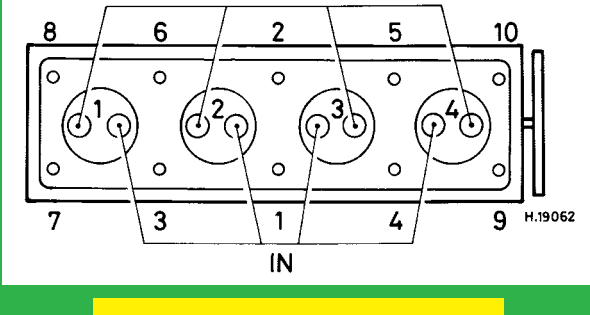
Torque wrench settingsPunto 60 SX/S1996 to 1997

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	280
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	27

CapacitiesPunto 60 SX/S1996 to 1997

Engine oil & filter	litres	3.74
Gearbox - 4-speed [5-speed]	litres	2.37
Automatic transmission - refill	litres	1.8
Final drive	litres	WT
Cooling system	litres	4.6
Fuel tank	litres	47

Notes and Illustrations



1242 cm³