

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 Punto 60 SX/S 1996 to 1997

Type	176 B4.000 SOHC 44kW CF2	
Capacity (cm <sup>3</sup> ) / 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 system Punto 60 SX/S 1996 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 system Punto 60 SX/S 1996 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 V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	10±3 BTDC @ 850±50
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 system Punto 60 SX/S 1996 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 gear Punto 60 SX/S 1996 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

<b>Tyres</b>		
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'	

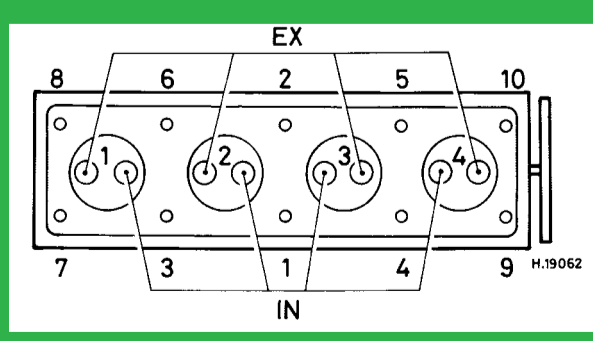
## Torque wrench settings Punto 60 SX/S 1996 to 1997

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

## Capacities Punto 60 SX/S 1996 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 cm<sup>3</sup>