

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

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## Engine and cooling system 405, 1.9 SPI CAT 1991 to 1992

Type		XU9M/Z (DDZ) 80kW
Capacity (cm <sup>3</sup> ) / number of cylinders		1905 / 4
Compression ratio / pressure	bar	9.18 / _
Oil pressure	bar	2.1 [4.1]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.40
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	1.0

## Fuel system 405, 1.9 SPI CAT 1991 to 1992

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	≥10.0
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Solex
Type / ref		Fenix 1B
Main jet / needle		_
Injection pressure	bar	0.80
Pump pressure	bar	_
Octane rating	RON	95[U]

## Ignition system 405, 1.9 SPI CAT 1991 to 1992

Type		AEI
Ignition coil		Bosch
Primary resistance	ohms	0.7
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control
V = Vacuum    NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° 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		Eyquem/Champion
Type		RFC52LS / C9YCX
Electrode gap	mm	0.80±0.05

## Electrical system 405, 1.9 SPI CAT 1991 to 1992

Battery	V / CC / RC	12 / 250 / 33
Alternator voltage / full load current / engine rpm		13.8 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

## Running gear 405, 1.9 SPI CAT 1991 to 1992

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	_
Rear (min. friction material thickness)	mm	_
<b>Tyres</b>		
Saloon	Size	185/65x14
Estate / Van	Size	185/65x14
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	2.1 / 2.2
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±0.5 PW
Camber		0±30'
Castor		+2°25'±30'. Est:+1°40'±30''
King pin inclination		+11°25'±30'
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+2.5±0.8 PW <sup>2</sup>
Camber		-1°20'±30'

## Torque wrench settings 405, 1.9 SPI CAT 1991 to 1992

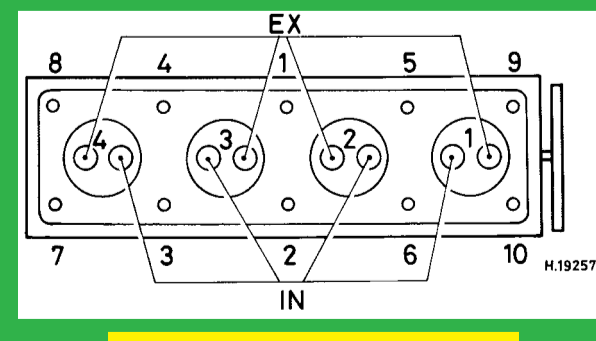
Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 300°
Big-end bearings	Nm	40 <sup>3</sup>
Main bearings	Nm	49
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	49 LkC
Front hubs	Nm	265
Rear hubs	Nm	275
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	27

## Capacities 405, 1.9 SPI CAT 1991 to 1992

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.6
Fuel tank	litres	70

## Notes and Illustrations

<sup>1</sup>PAS: +3°10'±30'. Est: +2°25'±30'  
<sup>2</sup>Estate: +1.4±0.8  
<sup>3</sup>Slacken, then 20 + 70°



**1905 cm<sup>3</sup>, 8V**