

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

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HELP

### Engine and cooling system Visa GTi 1985 to 1988

Type	XU5J (180A). 86 ▶: JA (B6D)	
Capacity (cm <sup>3</sup> ) / number of cylinders	1580 / 4	
Compression ratio / pressure	bar	9.8 / _
Oil pressure	bar	1.4 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15 to 0.25
Valve clearance - exhaust	mm	0.35 to 0.45
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	82 to 93
Radiator cap pressure	bar	1.0

### Fuel system Visa GTi 1985 to 1988

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	_
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Bosch	
Type / ref	LE2-Jetronic	
Main jet / needle	_	
Injection pressure	bar	2.5
Pump pressure	bar	2.9 to 3.1
Octane rating	RON	97[RA] <sup>1</sup>

### Ignition system Visa GTi 1985 to 1988

Type	Electronic	
Ignition coil	Ducellier, Bosch	
Primary resistance	ohms	0.7 to 0.94
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ 900
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	C019-D013
	° Crankshaft @ rpm	30 @ 3000
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 to 5 @ 1400
	° Crankshaft @ rpm	18 to 22 @ 3000
	° Crankshaft @ rpm	22 to 26 @ 3500
Vacuum range check	mbar	160 to 450
Maximum vacuum advance	° Crankshaft	10 to 14
Spark plugs	Bosch/Champion	
Type	H6DC / S279YC <sup>2</sup>	
Electrode gap	mm	0.60 to 0.70 <sup>2</sup>

### Electrical system Visa GTi 1985 to 1988

Battery	V / CC / RC	12 / 175 / 29
Alternator voltage / full load current / engine rpm	13.5 / _ / 3640	
Starter motor current / voltage - cranking	A / V	47 / 12 (no load)
- locked	A / V	_

### Running gear Visa GTi 1985 to 1988

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

<b>Tyres</b>		
Saloon	Size	185/60x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.0
- Estate / Van	bar	_

<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±1.0
Camber	+14'±30'	
Castor	+2°22'±30'	
King pin inclination	+9°20'±40'	

<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+4.0±1.0
Camber	-1°±30'	

### Torque wrench settings Visa GTi 1985 to 1988

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 120°
Big-end bearings	Nm	50
Main bearings	Nm	53
Clutch cover	Nm	22
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	270
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	60 to 80 <sup>3</sup>
Spark plugs	Nm	10 to 13

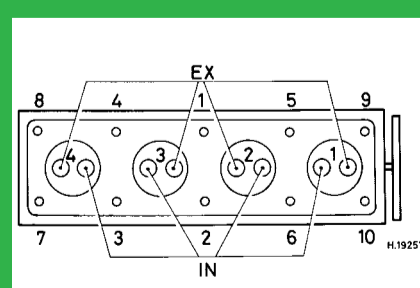
### Capacities Visa GTi 1985 to 1988

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	7.5
Fuel tank	litres	43

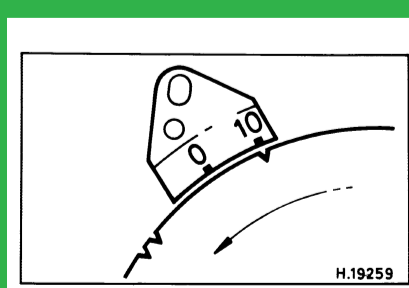
### Notes and Illustrations

- <sup>1</sup>[E 95 RON]: retard ignition by 2°
- <sup>2</sup>1987: XU5JA (B6D): Champion C7YC, gap 0.80
- <sup>3</sup>Alloy: 75 to 85

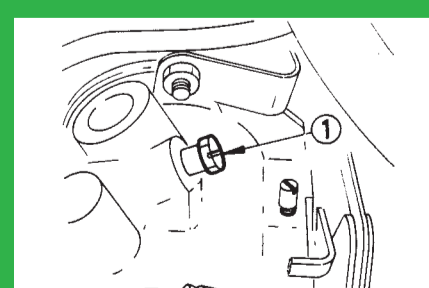
1: Idle speed    2: CO / Mixture



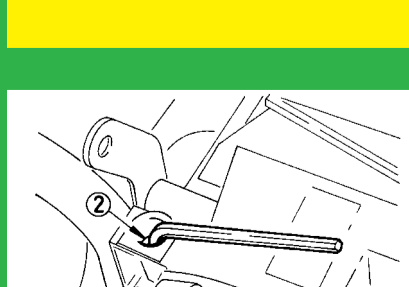
1580 cm<sup>3</sup>



1580 cm<sup>3</sup>



LE2-Jetronic



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