

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 205 GTi 1.6 & CTi 1990 to 1992

Type		XU5JA/K (B6E) (83kW)
Capacity (cm ³) / 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	0.20
Valve clearance - exhaust	mm	0.40
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	1.0

Fuel system 205 GTi 1.6 & CTi 1990 to 1992

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5 [≤0.5]
HC @ idle speed [3000 rpm] - see page VI	ppm	≤250
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥10.0
O ₂ @ 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[E 95 RON]

Ignition system 205 GTi 1.6 & CTi 1990 to 1992

Type		Electronic
Ignition coil		—
Primary resistance	ohms	0.82
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch/Ducellier
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Anticlockwise
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 BTDC @ 3000
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	8 to 13 @ 1300
	° Crankshaft @ rpm	15 to 20 @ 1700
	° Crankshaft @ rpm	32 to 36 @ 3500
Vacuum range check	mbar	240 to 500
Maximum vacuum advance	° Crankshaft	10 to 14
Spark plugs		Eyquem/Champion
Type		FC58LS / C7YCX
Electrode gap	mm	0.80

Electrical system 205 GTi 1.6 & CTi 1990 to 1992

Battery	V / CC / RC	12 / 210 / 65
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 205 GTi 1.6 & CTi 1990 to 1992

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	—
Tyres		
Saloon	Size	185/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.9 / 1.9
- Estate / Van	bar	—
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.0±0.5 PW ¹
Camber		0±30'[CTi: +15'±30']
Castor		+3°15'±30' [CTi: +2°50'±30']
King pin inclination		+10°55'±30'[CTi: +10°±30']
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.8±0.8 PW ²
Camber		-50'±30'

Torque wrench settings 205 GTi 1.6 & CTi 1990 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 ³
Main bearings	Nm	49
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	49 LkC
Front hubs	Nm	260
Rear hubs	Nm	215
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	18

Capacities 205 GTi 1.6 & CTi 1990 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	50

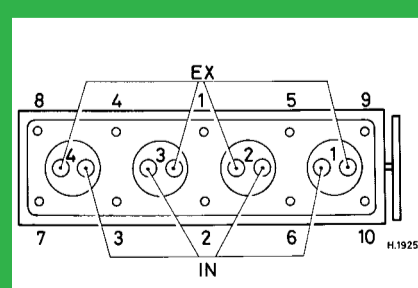
Notes and Illustrations

¹CTi: +0.5±0.5

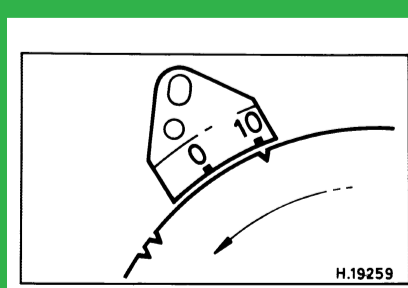
²CTi: +1.7±0.8 PW

³Slacken, then 20 + 70°

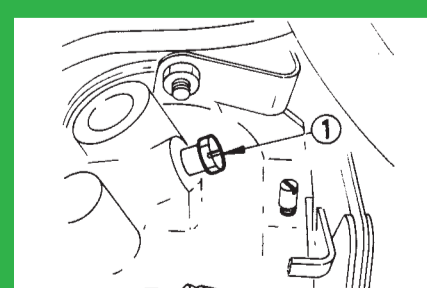
1: Idle speed 2: CO / Mixture



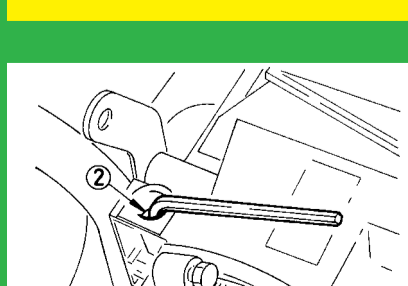
1580 cm³



1580 cm³



LE2-Jetronic



LE2-Jetronic