

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 system900 Turbo 8V1984 to 1989

Type		B201 2S1
Capacity (cm ³) / number of cylinders		1985 / 4
Compression ratio / pressure	bar	8.5 / _
Oil pressure	bar	[3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20 to 0.25
- exhaust	mm	0.45 to 0.50
Firing order		1-3-4-2
No 1 cylinder position		R
Thermostat opening temperature	°C	89±2
Radiator cap pressure	bar	0.9 to 1.2

Fuel system900 Turbo 8V1984 to 1989

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	0.3 to 1.0
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		CIS (K-Jetronic) + Turbo APC
Main jet / needle		_
Injection pressure	bar	3.0 to 4.1
Pump pressure	bar	5.1 to 5.8
Octane rating	RON	_[R] ¹

Ignition system900 Turbo 8V1984 to 1989

Type		Electronic - Hall effect
Ignition coil		Bosch
Primary resistance	ohms	0.52 to 0.76
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Bosch
Points gap (air gap)	mm	[≥0.25]
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	20 BTDC @ 2000
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 to 4 @ 1600
	° Crankshaft @ rpm	5 to 10 @ 3000
	° Crankshaft @ rpm	11 to 15 @ 5000
Vacuum range check	mbar	0 to 200
Maximum vacuum advance	° Crankshaft	16 to 20
Spark plugs		NGK/Champion
Type		BP7ES or 7EV / N7YC or N7GY
Electrode gap	mm	0.70

Electrical system900 Turbo 8V1984 to 1989

Battery	V / CC / RC	12 / 62Ah
Alternator voltage / full load current / engine rpm		14.0 / _ / 2700
Starter motor current / voltage - cranking	A / V	205 to 315 / 9.0
- locked	A / V	450 to 750 / 4.0 to 6.0

Running gear900 Turbo 8V1984 to 1989

Brakes -		
Front (min. friction material thickness)	mm	1.0
Rear (min. friction material thickness)	mm	1.0

Tyres		
Saloon	Size	185/65x15: 195/60x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.1 / 2.2 ²
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0±1.0
Camber		+0.5°±0.5°
Castor		+1°±0.5° [PAS: +2°±0.5°]
King pin inclination		+11.5°±1°

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+4.0±2.0
Camber		-0.5°±0.25°

Torque wrench settings900 Turbo 8V1984 to 1989

Cylinder head - stage 1	Nm	M15 / Torx bolts: 60 ³
- stage 2	Nm	90 ³
- stage 3	Nm	Warm up, then cool, slacken ³
- stage 4	Nm	80 + 90 ^{o3}
Big-end bearings	Nm	55
Main bearings	Nm	110
Clutch cover	Nm	22±2
Flywheel [driveplate]	Nm	60
Front hubs	Nm	290 to 310
Rear hubs	Nm	290 to 310
Wheel nuts / bolts	Nm	90 to 110
Spark plugs	Nm	28

Capacities900 Turbo 8V1984 to 1989

Engine oil & filter	litres	4.3
Gearbox - 4-speed [5-speed]	litres	2.5 [3.0]
Automatic transmission - refill	litres	2.5 to 3.0
Final drive	litres	AT: 1.4
Cooling system	litres	10.0
Fuel tank	litres	63

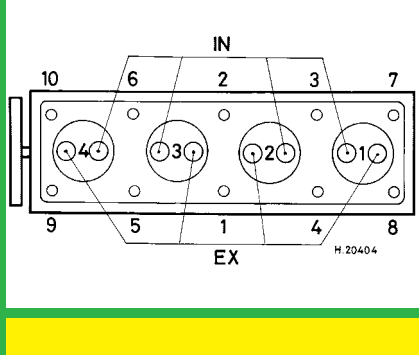
Notes and Illustrations

¹92 to 98, controlled by APC

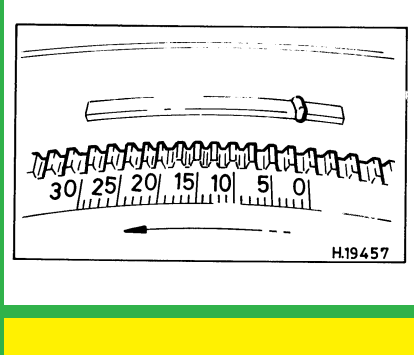
²195/60x15 only. 185/65x15: 2.0 / 2.1

³M15 hex head or M12 Torx head bolts only. M17 bolts: 1) 60, 2) 95, 3) Warm up, then cool down and slacken eachbolt in turn, 4) 95

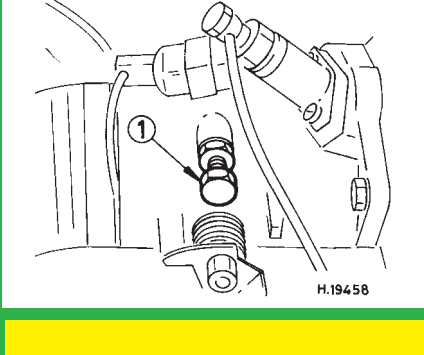
1: Idle speed2: CO / Mixture



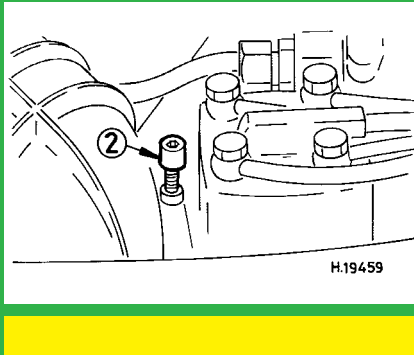
1985 cm³, 8V



1985 cm³, 8V



K-Jetronic



K-Jetronic