

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 system 240, 2.0i 1989 to 1992

Type	B200E. SOHC 8V. 85kW	
Capacity (cm ³) / number of cylinders	1986 / 4	
Compression ratio / pressure	bar	10.0 / ≥9.2
Oil pressure	bar	1.0 [2.5 to 8.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.30 to 0.40 H
- exhaust	mm	0.30 to 0.40 H
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	86 to 88 or 91 to 93
Radiator cap pressure	bar	0.66 to 0.87

Fuel system 240, 2.0i 1989 to 1992

Idle speed - manual [auto]	rpm	900
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.5 to 2.0
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Bosch	
Type / ref	CIS (K-Jetronic)	
Main jet / needle	—	
Injection pressure	bar	3.5 to 4.0
Pump pressure	bar	4.6 to 5.4
Octane rating	RON	95[E 95 RON]

Ignition system 240, 2.0i 1989 to 1992

Type	TZ 28H	
Ignition coil	Bosch	
Primary resistance	ohms	0.6 to 0.8
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	5 BTDC @ 750±50
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	10 @ 1680 to 2100
	° Crankshaft @ rpm	21 @ 3000 to 4200
	° Crankshaft @ rpm	23 to 27 @ 5000
Vacuum range check	mbar	140 to 307
Maximum vacuum advance	° Crankshaft	13 to 17
Spark plugs	Bosch/Champion	
Type	WR6DC / N9YC	
Electrode gap	mm	0.70

Electrical system 240, 2.0i 1989 to 1992

Battery	V / CC / RC	12 / 450 / 90
Alternator voltage / full load current / engine rpm	Various	
Starter motor current / voltage - cranking	A / V	Various
- locked	A / V	Various

Running gear 240, 2.0i 1989 to 1992

Brakes -		
Front (min. friction material thickness)	mm	1.5. Girling: 3.0
Rear (min. friction material thickness)	mm	3.0

Tyres

Saloon	Size	175x14: 185/70x14
Estate / Van	Size	185x14
Pressure - front / rear - Saloon	bar	1.8 / 1.9
- Estate / Van	bar	1.9 / 2.1

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+24'±8'] PAS: [+16'±8']
Camber	+15' to 1°	
Castor	+2° to 3° PAS: +3° to 4°	
King pin inclination	—	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	—
Camber	—	

Torque wrench settings 240, 2.0i 1989 to 1992

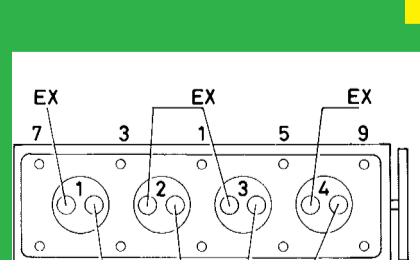
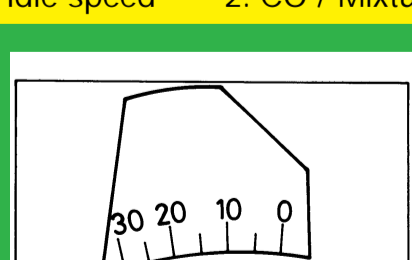
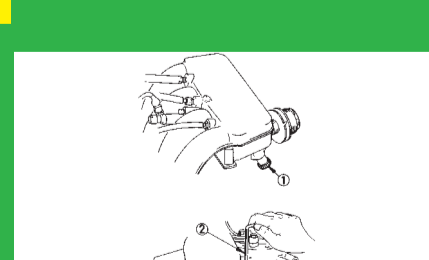
Cylinder head - stage 1	Nm	20
- stage 2	Nm	60
- stage 3	Nm	+ 90°
- stage 4	Nm	—
Big-end bearings	Nm	20 + 90°
Main bearings	Nm	110
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	70 N
Front hubs	Nm	68, - 120° & lock
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	115
Spark plugs	Nm	20 to 30

Capacities 240, 2.0i 1989 to 1992

Engine oil & filter	litres	3.85
Gearbox - 4-speed [5-speed]	litres	1.6
Automatic transmission - refill	litres	3.9
Final drive	litres	1.6
Cooling system	litres	8.5
Fuel tank	litres	60

Notes and Illustrations

1: Idle speed 2: CO / Mixture

1986 cm³1986 cm³

K-Jetronic