

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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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 21, 2.0 CAT (B/K/L48C) 1991 to 1996

Type		J7R-7-46 [J7R-7-47]
Capacity (cm ³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	9.25 / _
Oil pressure	bar	0.8 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10 to 0.15
Valve clearance - exhaust	mm	0.20 to 0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	89 to 101
Radiator cap pressure	bar	1.2

Fuel system 21, 2.0 CAT (B/K/L48C) 1991 to 1996

Idle speed - manual [auto]	rpm	800±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3 N/A Ex
HC @ idle speed [3000 rpm] - see page VI	ppm	≤100 Ex
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥14.5
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Siemens Bendix
Type / ref		Fenix 3B MPI
Main jet / needle		_
Injection pressure	bar	2.0±0.2
Pump pressure	bar	3.0±0.2
Octane rating	RON	95[U]

Ignition system 21, 2.0 CAT (B/K/L48C) 1991 to 1996

Type		Computerized
Ignition coil		Renix
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		_
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	Computer control
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		C52LJS / S281YC
Electrode gap	mm	0.85 to 0.95

Electrical system 21, 2.0 CAT (B/K/L48C) 1991 to 1996

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm		13.5 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear 21, 2.0 CAT (B/K/L48C) 1991 to 1996

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing ¹

Tyres		
Saloon	Size	185/65x14
Estate / Van	Size	185/65x14
Pressure - front / rear - Saloon	bar	2.0 / 2.2
- Estate / Van	bar	2.3 / 2.6

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0
Camber		-25'±30'
Castor		+2°±30'
King pin inclination		+12°45'±30'

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+2.0 to 5.0
Camber		-20'±10'

Torque wrench settings 21, 2.0 CAT (B/K/L48C) 1991 to 1996

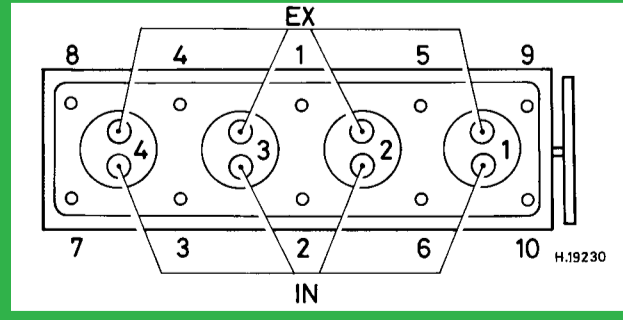
Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 105° + 105°
Cylinder head - stage 3	Nm	run for 15 mins
- stage 4	Nm	cool for 3 hours, then + 20°
Big-end bearings	Nm	45 to 50
Main bearings	Nm	88 to 98
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	60 [65 to 70]
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

Capacities 21, 2.0 CAT (B/K/L48C) 1991 to 1996

Engine oil & filter	litres	6.2
Gearbox - 4-speed [5-speed]	litres	2.2
Automatic transmission - refill	litres	4.0
Final drive	litres	AT: 0.8
Cooling system	litres	6.8 [AT: 7.2]
Fuel tank	litres	66

Notes and Illustrations

¹ABS: 6.0



1995 cm³, 8V