

Engine & Cooling

Fuel

Ignition

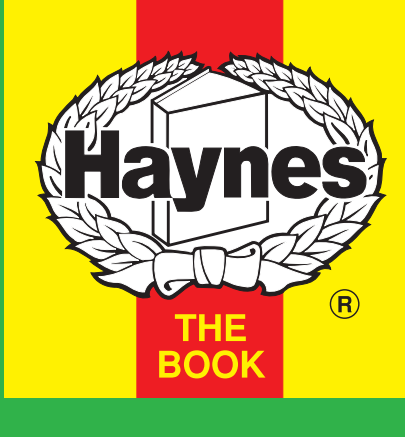
Electrical

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 system21, 2.2 CAT (B/K/L48K)1992 to 1995

Type		J7T-7-54 [J7T-7-55]
Capacity (cm ³) / number of cylinders		2165 / 4
Compression ratio / pressure	bar	9.2 / _
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 system21, 2.2 CAT (B/K/L48K)1992 to 1995

Idle speed - manual [auto]	rpm	800±25 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	≥14.5
O2 @ 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	91[U]

Ignition system21, 2.2 CAT (B/K/L48K)1992 to 1995

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	° Crankshaft @ rpm	Computer control
V = Vacuum NV = No Vacuum		_
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		AC/Champion
Type		C41CLTS / S7YC
Electrode gap	mm	0.85 to 0.95

Electrical system21, 2.2 CAT (B/K/L48K)1992 to 1995

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 gear21, 2.2 CAT (B/K/L48K)1992 to 1995

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

Tyres		
Saloon	Size	185/65x14
Estate / Van	Size	185/65x14
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- 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 4x4: 3.0 to 5.0
Camber		-20'±10' 4x4: -30'±10'

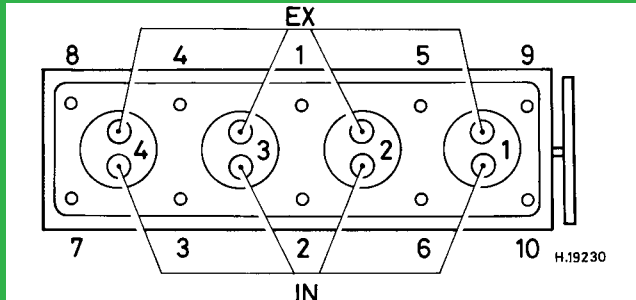
Torque wrench settings21, 2.2 CAT (B/K/L48K)1992 to 1995

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	60 to 65
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	_

Capacities21, 2.2 CAT (B/K/L48K)1992 to 1995

Engine oil & filter	litres	6.2
Gearbox - 4-speed [5-speed]	litres	2.2. 4x4: 2.4
Automatic transmission - refill	litres	4.0
Final drive	litres	4x4 rear: 1.3 AT: 0.8
Cooling system	litres	5.7 [AT: 7.2]
Fuel tank	litres	66. 4x4: 62

Notes and Illustrations



2165 cm³