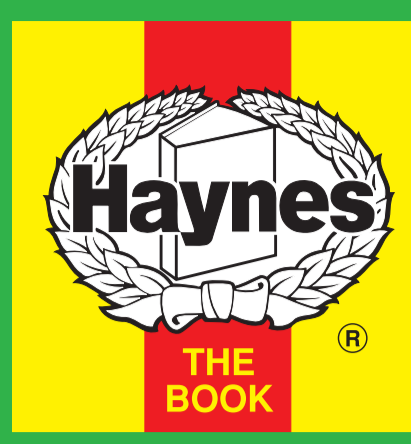


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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HELP

Engine and cooling system E320 (124.032/052/066/092) 1992 to 1997

Type		104.992 DOHC 24V 162kW
Capacity (cm ³) / number of cylinders		3199 / 6
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	0.3 [3.0]
Oil temperature	°C	90
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-5-3-6-2-4
No 1 cylinder position		F
Thermostat opening temperature	°C	87±2
Radiator cap pressure	bar	1.40±0.10

Fuel system E320 (124.032/052/066/092) 1992 to 1997

Idle speed - manual [auto]	rpm	650 to 750
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		HFM MPI
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system E320 (124.032/052/066/092) 1992 to 1997

Type		Electronic
Ignition coil		Bosch
Primary resistance	ohms	0.3 to 0.6
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	Battery
Distributor		Bosch
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	Computer control
	° 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		Bosch/Champion
Type		F8DCO / C10YCC
Electrode gap	mm	0.80

Electrical system E320 (124.032/052/066/092) 1992 to 1997

Battery	V / CC / RC	12 / 190 / 62, 100Ah
Alternator voltage / full load current / engine rpm		14.0 / 80, 90 / 2490
Starter motor current / voltage - cranking	A / V	95 / 11.5 (no load)
- locked	A / V	650 to 840 / 3.8

Running gear E320 (124.032/052/066/092) 1992 to 1997

Brakes -		
Front (min. friction material thickness)	mm	3.5
Rear (min. friction material thickness)	mm	2.5

Tyres		
Saloon	Size	195/65x15: 205/60x15
Estate / Van	Size	195/65x15
Pressure - front / rear - Saloon	bar	2.4 / 2.5
- Estate / Van	bar	2.3 / 2.7

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+20'±10']
Camber		-25'+10'-20'
Castor		+10°25'±30'
King pin inclination		_

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+20' to 35']
Camber		-1°30'±30'

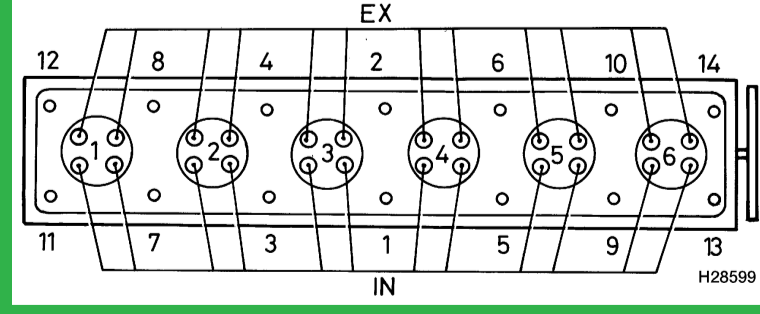
Torque wrench settings E320 (124.032/052/066/092) 1992 to 1997

Cylinder head - stage 1	Nm	55
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	_
Big-end bearings	Nm	30 + 90 to 100°
Main bearings	Nm	55 + 90 to 100°
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	30 (Dual mass: 40) +90 to 100°
Front hubs	Nm	WSM
Rear hubs	Nm	200 to 240
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	20

Capacities E320 (124.032/052/066/092) 1992 to 1997

Engine oil & filter	litres	7.5
Gearbox - 4-speed [5-speed]	litres	1.6
Automatic transmission - refill	litres	6.2
Final drive	litres	1.3
Cooling system	litres	9.0
Fuel tank	litres	70. Estate: 72

Notes and Illustrations



3199 cm³, 24V