

Engine & Cooling

Fuel

Ignition

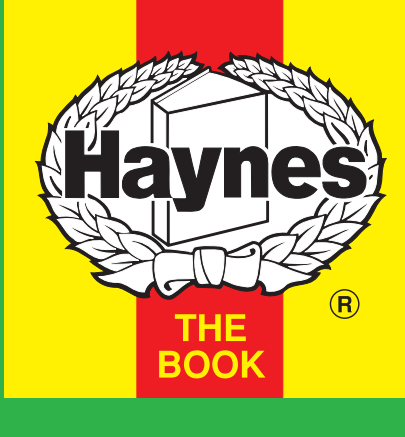
Electrical

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Automotive Technical
DATA BOOK

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HELP

Engine and cooling system

19, 1.4 (B/C/L537)

1989 to 1993

Type		E6J-A7-00 [AT: E6J-7-01] 60kW
Capacity (cm³) / number of cylinders		1390 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	1.0 [3.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	86
Radiator cap pressure	bar	1.2

Fuel system

19, 1.4 (B/C/L537)

1989 to 1993

Idle speed - manual [auto]	rpm	750±50 [700±50]
Fast idle speed - manual [auto]	rpm	A/c: 900±50
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	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber
Type / ref		32 TLDR 0 [32 TLDR 1]
Main jet / needle		122, 160 [AT: 120, 157]
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	95[E 95 RON]

Ignition system

19, 1.4 (B/C/L537)

1989 to 1993

Type		AEI
Ignition coil		Renix
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Renix
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	AEI control
V = Vacuum NV = No Vacuum		
Total ignition advance	° Crankshaft @ rpm	RE252 [AT: RE267]
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	13 to 18 @ 750
	° Crankshaft @ rpm	8 to 13 @ 1550
	° Crankshaft @ rpm	24 to 28 @ 4050
Vacuum range check	mbar	0 to 300
Maximum vacuum advance	° Crankshaft	≥6 [≥10]
Spark plugs		NGK/Champion
Type		BCP5ES / C9YC
Electrode gap	mm	0.85 to 0.95

Electrical system

19, 1.4 (B/C/L537)

1989 to 1993

Battery	V / CC / RC	12 / 40Ah
Alternator voltage / full load current / engine rpm		13.4 to 14.4 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	350 to 460 / _

Running gear

19, 1.4 (B/C/L537)

1989 to 1993

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

Tyres		
Saloon	Size	155x13: 165/70x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.2¹
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0
Camber		-5'±30'
Castor		+1°55'. PAS: +4°
King pin inclination		+12°55'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.5 to 2.5
Camber		-50'±30'

Torque wrench settings

19, 1.4 (B/C/L537)

1989 to 1993

Cylinder head - stage 1	Nm	20 + 97±2°
- stage 2	Nm	Wait 3 mins. Slacken
Cylinder head - stage 3	Nm	20
- stage 4	Nm	+ 97±2°
Big-end bearings	Nm	40 to 45
Main bearings	Nm	60 to 65
Clutch cover	Nm	18
Flywheel [driveplate]	Nm	50 to 55 [65]
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	80
Spark plugs	Nm	_

Capacities

19, 1.4 (B/C/L537)

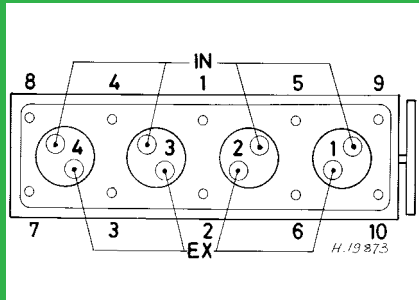
1989 to 1993

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	3.3 [3.4]
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	5.2
Fuel tank	litres	55

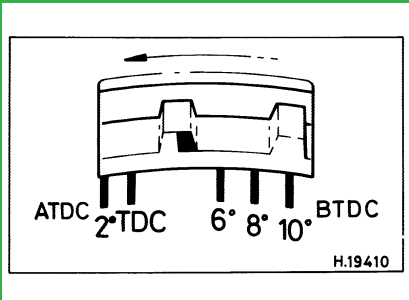
Notes and Illustrations

¹AT: 1.9 / 2.0

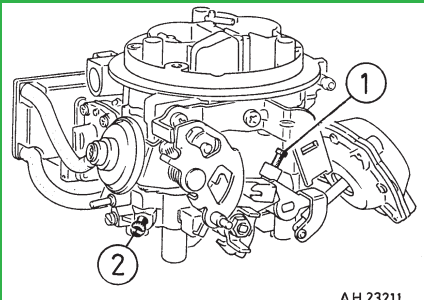
1: Idle speed 2: CO / Mixture



1390 cm³, E6J



1390 cm³



Weber 32 TLDR