

Engine & Cooling

Fuel

Ignition

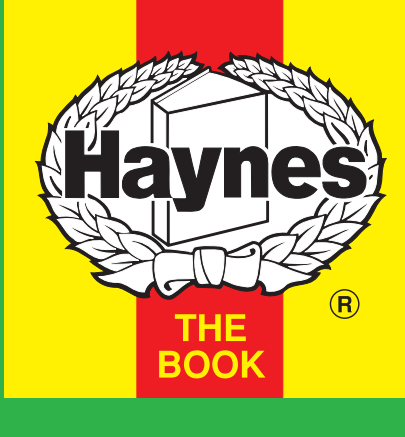
Electrical

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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.

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HELP

Engine and cooling system

80, 2.0 CAT

1992 to 1995

|                                      |     |                    |
|--------------------------------------|-----|--------------------|
| Type                                 |     | ABK (85kW) SOHC 8V |
| Capacity (cm³) / number of cylinders |     | 1984 / 4           |
| Compression ratio / pressure         | bar | 10.4 / ≥9.0        |
| Oil pressure                         | bar | [2.0]              |
| Oil temperature                      | °C  | 80                 |
| Valve clearance - inlet              | mm  | 0: Hyd.            |
| Valve clearance - exhaust            | mm  | 0: Hyd.            |
| Firing order                         |     | 1-3-4-2            |
| No 1 cylinder position               |     | TBE                |
| Thermostat opening temperature       | °C  | 87                 |
| Radiator cap pressure                | bar | 1.2 to 1.5         |

Fuel system

80, 2.0 CAT

1992 to 1995

|                                           |     |            |
|-------------------------------------------|-----|------------|
| Idle speed - manual [auto]                | rpm | 820±50 N/A |
| Fast idle speed - manual [auto]           | rpm | —          |
| CO @ idle speed [3000 rpm] - see page VI  | %   | ≤0.5 N/A   |
| HC @ idle speed [3000 rpm] - see page VI  | ppm | ≤1200      |
| CO2 @ idle speed [3000 rpm] - see page VI | %   | —          |
| O2 @ idle speed [3000 rpm] - see page VI  | %   | —          |
| Carburettor / fuel injection              |     | Volkswagen |
| Type / ref                                |     | Digifant   |
| Main jet / needle                         |     | —          |
| Injection pressure                        | bar | 2.5        |
| Pump pressure                             | bar | 3.0        |
| Octane rating                             | RON | 95[U]      |

Ignition system

80, 2.0 CAT

1992 to 1995

|                                 |                    |                             |
|---------------------------------|--------------------|-----------------------------|
| Type                            |                    | Digifant                    |
| Ignition coil                   |                    | N152                        |
| Primary resistance              | ohms               | 0.5 to 0.7                  |
| 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 | 6±1 BTDC @ 2000 to 2500 N/A |
| 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                     |                    | NGK                         |
| Type                            |                    | BUR6ET                      |
| Electrode gap                   | mm                 | 0.70 to 0.90                |

Electrical system

80, 2.0 CAT

1992 to 1995

|                                                     |             |                         |
|-----------------------------------------------------|-------------|-------------------------|
| Battery                                             | V / CC / RC | 12 / _                  |
| Alternator voltage / full load current / engine rpm |             | 12.5 to 14.5 / _ / 2000 |
| Starter motor current / voltage - cranking          | A / V       | —                       |
| - locked                                            | A / V       | —                       |

Running gear

80, 2.0 CAT

1992 to 1995

|                                          |    |                  |
|------------------------------------------|----|------------------|
| Brakes -                                 |    |                  |
| Front (min. friction material thickness) | mm | 7.0 with backing |
| Rear (min. friction material thickness)  | mm | 2.5 <sup>1</sup> |

|                                  |      |                      |
|----------------------------------|------|----------------------|
| Tyres                            |      |                      |
| Saloon                           | Size | 195/65x15: 205/60x15 |
| Estate / Van                     | Size | 195/65x15: 205/60x15 |
| Pressure - front / rear - Saloon | bar  | 2.0 / 2.0            |
| - Estate / Van                   | bar  | 1.8 / 1.8            |

|                                    |        |            |
|------------------------------------|--------|------------|
| Front suspension / wheel alignment |        |            |
| Toe-in (+) / Toe-out (–)           | mm [°] | [+10'±10'] |
| Camber                             |        | -45'±30'   |
| Castor                             |        | +2°10'±30' |
| King pin inclination               |        | —          |

|                                   |        |                                |
|-----------------------------------|--------|--------------------------------|
| Rear suspension / wheel alignment |        |                                |
| Toe-in (+) / Toe-out (–)          | mm [°] | [+15'±10']. 4x4: [+10'±10'] PW |
| Camber                            |        | -1°30'±20'. 4x4: -40'±30'      |

Torque wrench settings

80, 2.0 CAT

1992 to 1995

|                         |    |                             |
|-------------------------|----|-----------------------------|
| Cylinder head - stage 1 | Nm | 40 N                        |
| - stage 2               | Nm | 60                          |
| Cylinder head - stage 3 | Nm | + 90°                       |
| - stage 4               | Nm | + 90°                       |
| Big-end bearings        | Nm | 30 + 90°                    |
| Main bearings           | Nm | 65                          |
| Clutch cover            | Nm | 25                          |
| Flywheel [driveplate]   | Nm | 30 + 90°                    |
| Front hubs              | Nm | M14: 120 + 90° <sup>2</sup> |
| Rear hubs               | Nm | WSM <sup>3</sup>            |
| Wheel nuts / bolts      | Nm | 110                         |
| Spark plugs             | Nm | 25                          |

Capacities

80, 2.0 CAT

1992 to 1995

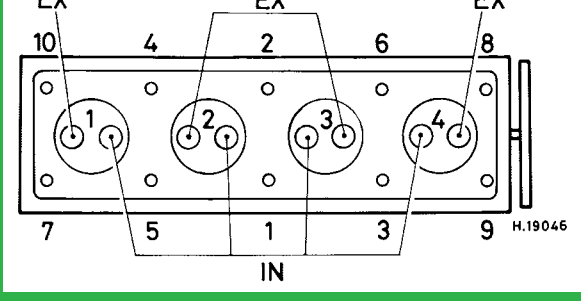
|                                 |        |               |
|---------------------------------|--------|---------------|
| Engine oil & filter             | litres | 3.0           |
| Gearbox - 4-speed [5-speed]     | litres | 2.4. 4x4: 2.9 |
| Automatic transmission - refill | litres | 3.0           |
| Final drive                     | litres | 1.0           |
| Cooling system                  | litres | 7.0           |
| Fuel tank                       | litres | 66            |

Notes and Illustrations

<sup>1</sup>**Discs: 7.0 with backing**

<sup>2</sup>**M16: 200 + 90°**

<sup>3</sup>**4x4: as front**



1984 cm³, 8V