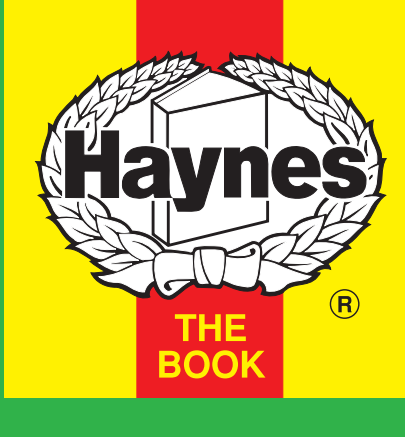




Automotive Technical

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

Polo 1.4 16V

1996 to 1997

|                                                   |     |                   |
|---------------------------------------------------|-----|-------------------|
| Type                                              |     | AFH DOHC 16V 74kW |
| Capacity (cm <sup>3</sup> ) / number of cylinders |     | 1390 / 4          |
| Compression ratio / pressure                      | bar | 10.5 / ≥7.0       |
| 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  | 84                |
| Radiator cap pressure                             | bar | 1.3 to 1.5        |

Fuel system

Polo 1.4 16V

1996 to 1997

|                                           |     |                 |
|-------------------------------------------|-----|-----------------|
| Idle speed - manual [auto]                | rpm | 820 to 920 N/A  |
| Fast idle speed - manual [auto]           | rpm | 2500 to 2800    |
| CO @ idle speed [3000 rpm] - see page VI  | %   | ≤0.5 [≤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              |     | _ Bosch         |
| Type / ref                                |     | 1AV MPI         |
| Main jet / needle                         |     | —               |
| Injection pressure                        | bar | 2.5             |
| Pump pressure                             | bar | —               |
| Octane rating                             | RON | 95[U]           |

Ignition system

Polo 1.4 16V

1996 to 1997

|                                 |                    |                             |
|---------------------------------|--------------------|-----------------------------|
| Type                            |                    | Electronic                  |
| Ignition coil                   |                    | —                           |
| Primary resistance              | ohms               | —                           |
| 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 @ 820 to 920 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                     |                    | NGK                         |
| Type                            |                    | BKUR6ET                     |
| Electrode gap                   | mm                 | 0.70 to 0.90                |

Electrical system

Polo 1.4 16V

1996 to 1997

|                                                     |             |   |
|-----------------------------------------------------|-------------|---|
| Battery                                             | V / CC / RC | — |
| Alternator voltage / full load current / engine rpm |             | — |
| Starter motor current / voltage - cranking          | A / V       | — |
| - locked                                            | A / V       | — |

Running gear

Polo 1.4 16V

1996 to 1997

|                                          |    |     |
|------------------------------------------|----|-----|
| Brakes -                                 |    |     |
| Front (min. friction material thickness) | mm | 2.0 |
| Rear (min. friction material thickness)  | mm | 2.5 |

|                                  |      |           |
|----------------------------------|------|-----------|
| Tyres                            |      |           |
| Saloon                           | Size | 175/65x13 |
| Estate / Van                     | Size | —         |
| Pressure - front / rear - Saloon | bar  | 2.1 / 2.1 |
| - Estate / Van                   | bar  | —         |

|                                    |        |            |
|------------------------------------|--------|------------|
| Front suspension / wheel alignment |        |            |
| Toe-in (+) / Toe-out (–)           | mm [°] | (0°±10')   |
| Camber                             |        | -0°25'±20' |
| Castor                             |        | 1°20'±30'  |
| King pin inclination               |        | —          |

|                                   |        |             |
|-----------------------------------|--------|-------------|
| Rear suspension / wheel alignment |        |             |
| Toe-in (+) / Toe-out (–)          | mm [°] | (0°20'±10') |
| Camber                            |        | -1°30'±10'  |

Torque wrench settings

Polo 1.4 16V

1996 to 1997

|                         |    |           |
|-------------------------|----|-----------|
| 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° N |
| Main bearings           | Nm | 65 +90°   |
| Clutch cover            | Nm | —         |
| Flywheel [driveplate]   | Nm | 60 +90° N |
| Front hubs              | Nm | WSM       |
| Rear hubs               | Nm | WSM       |
| Wheel nuts / bolts      | Nm | 110       |
| Spark plugs             | Nm | 30        |

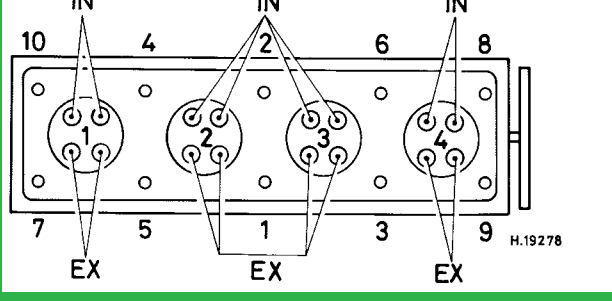
Capacities

Polo 1.4 16V

1996 to 1997

|                                 |        |     |
|---------------------------------|--------|-----|
| Engine oil & filter             | litres | 3.4 |
| Gearbox - 4-speed [5-speed]     | litres | 3.1 |
| Automatic transmission - refill | litres | —   |
| Final drive                     | litres | WT  |
| Cooling system                  | litres | 5.6 |
| Fuel tank                       | litres | 45  |

Notes and Illustrations



1390 cm<sup>3</sup> 16V