

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 1.6i

1995 to 1997

| | | |
|---|-----|------------------|
| Type | | AEE SOHC 8V 55kW |
| Capacity (cm ³) / number of cylinders | | 1598 / 4 |
| Compression ratio / pressure | bar | 9.8 / ≥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 to 98 |
| Radiator cap pressure | bar | 1.30 to 1.50 |

Fuel system

Polo 1.6i

1995 to 1997

| | | |
|---|-----|-----------------------------|
| Idle speed - manual [auto] | rpm | 830 to 930 [630 to 850] 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 | 0.80 to 1.20 |
| Pump pressure | bar | – |
| Octane rating | RON | 95[U] |

Ignition system

Polo 1.6i

1995 to 1997

| | | |
|---------------------------------|--------------------|-----------------------------|
| Type | | Computerized |
| Ignition coil | | Bosch |
| Primary resistance | ohms | 0.5 to 1.2 |
| 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 @ idle 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/Bosch |
| Type | | BUR6ET / W7LTCR |
| Electrode gap | mm | 0.70 to 0.90 / 0.90 to 1.10 |

Electrical system

Polo 1.6i

1995 to 1997

| | | |
|---|-------------|-----------|
| Battery | V / CC / RC | 12 / 44Ah |
| Alternator voltage / full load current / engine rpm | | – |
| Starter motor current / voltage - cranking | A / V | – |
| - locked | A / V | – |

Running gear

Polo 1.6i

1995 to 1997

| | | |
|--|----|------------------|
| Brakes - | | |
| Front (min. friction material thickness) | mm | 7.0 with backing |
| 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 | | -25'±20' |
| Castor | | +1°20'±30' N/A |
| King pin inclination | | – |

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

Torque wrench settings

Polo 1.6i

1995 to 1997

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

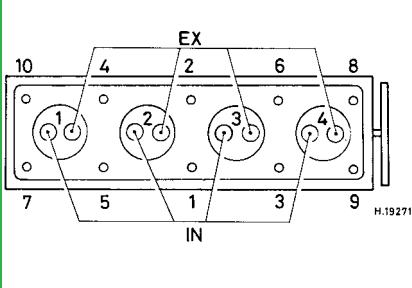
Capacities

Polo 1.6i

1995 to 1997

| | | |
|---------------------------------|--------|---------------------|
| Engine oil & filter | litres | 3.4 |
| Gearbox - 4-speed [5-speed] | litres | 2.7 |
| Automatic transmission - refill | litres | 5.7 filled for life |
| Final drive | litres | WT |
| Cooling system | litres | 5.6 |
| Fuel tank | litres | 45 |

Notes and Illustrations



1598 cm³