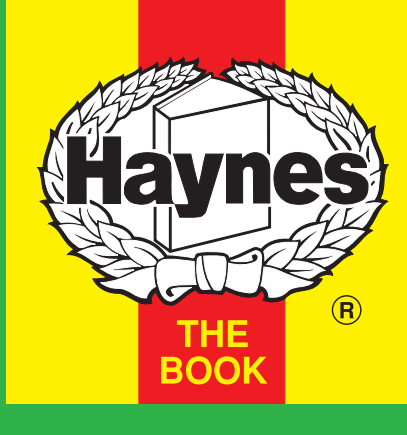




Automotive Technical

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

Caddy 1.8 CAT

1989 to 1994

|                                                   |     |            |
|---------------------------------------------------|-----|------------|
| Type                                              |     | JH. 70kW   |
| Capacity (cm <sup>3</sup> ) / number of cylinders |     | 1781 / 4   |
| Compression ratio / pressure                      | bar | 8.5 / ≥7.5 |
| 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

Caddy 1.8 CAT

1989 to 1994

|                                           |     |            |
|-------------------------------------------|-----|------------|
| Idle speed - manual [auto]                | rpm | 900±100    |
| Fast idle speed - manual [auto]           | rpm | —          |
| CO @ idle speed [3000 rpm] - see page VI  | %   | 0.3 to 1.2 |
| 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              |     | Bosch      |
| Type / ref                                |     | K-Jetronic |
| Main jet / needle                         |     | —          |
| Injection pressure                        | bar | —          |
| Pump pressure                             | bar | 4.7 to 5.4 |
| Octane rating                             | RON | 91[U]      |

Ignition system

Caddy 1.8 CAT

1989 to 1994

|                                 |                    |                    |
|---------------------------------|--------------------|--------------------|
| Type                            |                    | TCI-H              |
| Ignition coil                   |                    | Bosch              |
| Primary resistance              | ohms               | 0.52 to 0.76       |
| Ballast resistor                | ohms               | —                  |
| Voltage - Tmnl 15(+) to earth   | V                  | —                  |
| Distributor                     |                    | Bosch              |
| Points gap (air gap)            | mm                 | —                  |
| Dwell angle                     | ° (%)              | —                  |
| Condenser capacity              | µF                 | —                  |
| Rotation                        |                    | Clockwise          |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 6±1 BTDC @ 900±100 |
| V = Vacuum NV = No Vacuum       |                    | NV                 |
| Total ignition advance          | ° Crankshaft @ rpm | —                  |
|                                 | ° Crankshaft @ rpm | —                  |
|                                 | ° Crankshaft @ rpm | —                  |
| Centrifugal check.              | ° Crankshaft @ rpm | 0 @ 1050 to 1300   |
|                                 | ° Crankshaft @ rpm | 15 to 19 @ 2600    |
|                                 | ° Crankshaft @ rpm | 22 to 26 @ 4500    |
| Vacuum range check              | mbar               | 120 to 260         |
| Maximum vacuum advance          | ° Crankshaft       | 10 to 14           |
| Spark plugs                     |                    | Bosch/Champion     |
| Type                            |                    | W7DTC / N7BYC      |
| Electrode gap                   | mm                 | 0.70 to 0.90       |

Electrical system

Caddy 1.8 CAT

1989 to 1994

|                                                     |             |               |
|-----------------------------------------------------|-------------|---------------|
| Battery                                             | V / CC / RC | 12 / 175 / 60 |
| Alternator voltage / full load current / engine rpm |             | —             |
| Starter motor current / voltage - cranking          | A / V       | —             |
| - locked                                            | A / V       | —             |

Running gear

Caddy 1.8 CAT

1989 to 1994

|                                          |    |                  |
|------------------------------------------|----|------------------|
| Brakes -                                 |    |                  |
| Front (min. friction material thickness) | mm | 7.0 with backing |
| Rear (min. friction material thickness)  | mm | 2.5              |

|                                  |      |                              |
|----------------------------------|------|------------------------------|
| Tyres                            |      |                              |
| Saloon                           | Size | —                            |
| Estate / Van                     | Size | 165x13: 185/70x13: 185/60x14 |
| Pressure - front / rear - Saloon | bar  | —                            |
| - Estate / Van                   | bar  | 1.8 / 2.7 <sup>1</sup>       |

|                                    |        |                |
|------------------------------------|--------|----------------|
| Front suspension / wheel alignment |        |                |
| Toe-in (+) / Toe-out (–)           | mm [°] | [-15'+10'-15'] |
| Camber                             |        | +20'±30'       |
| Castor                             |        | +1°50'±20'     |
| King pin inclination               |        | —              |

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

Torque wrench settings

Caddy 1.8 CAT

1989 to 1994

|                         |    |                 |
|-------------------------|----|-----------------|
| 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 <sup>2</sup> |
| Clutch cover            | Nm | 20              |
| Flywheel [driveplate]   | Nm | 60 + 90° N      |
| Front hubs              | Nm | 230             |
| Rear hubs               | Nm | WSM             |
| Wheel nuts / bolts      | Nm | 110             |
| Spark plugs             | Nm | 25              |

Capacities

Caddy 1.8 CAT

1989 to 1994

|                                 |        |          |
|---------------------------------|--------|----------|
| Engine oil & filter             | litres | 4.0      |
| Gearbox - 4-speed [5-speed]     | litres | 2.0      |
| Automatic transmission - refill | litres | 3.0      |
| Final drive                     | litres | AT: 0.75 |
| Cooling system                  | litres | 6.5      |
| Fuel tank                       | litres | 60       |

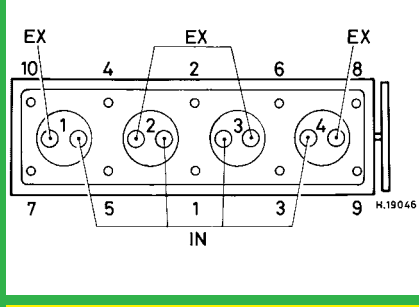
Notes and Illustrations

<sup>1</sup>Reinforced tyres: 1.8 / 2.9

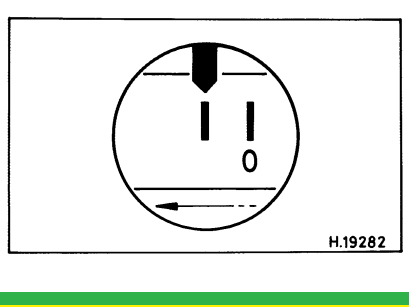
<sup>2</sup>Replace with fully threaded shank bolts: 65 + 90°

1: Idle speed

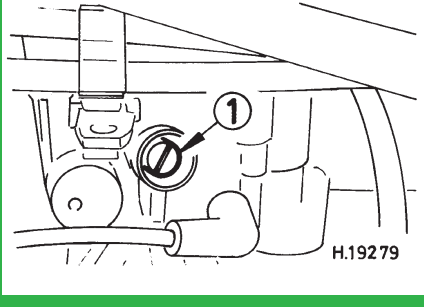
2: CO / Mixture



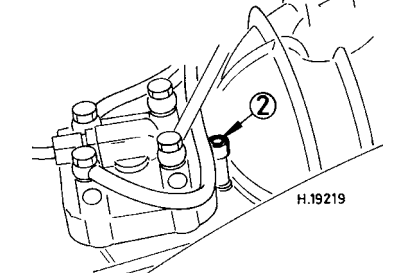
1781 cm<sup>3</sup>, 8V



1781 cm<sup>3</sup>, 8V



K-Jetronic, JH



K-Jetronic, JH