

Engine & Cooling

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Automotive Technical  
DATA BOOK

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HELP

Engine and cooling system

205, 1.9i CAT

1991 to 1993

|                                      |     |                      |
|--------------------------------------|-----|----------------------|
| Type                                 |     | XU9J1/L/Z (DFZ) 75kW |
| Capacity (cm³) / number of cylinders |     | 1905 / 4             |
| Compression ratio / pressure         | bar | 8.4 / _              |
| Oil pressure                         | bar | 2.1 [4.1]            |
| Oil temperature                      | °C  | 80                   |
| Valve clearance - inlet              | mm  | 0.20                 |
| Valve clearance - exhaust            | mm  | 0.40                 |
| Firing order                         |     | 1-3-4-2              |
| No 1 cylinder position               |     | FE                   |
| Thermostat opening temperature       | °C  | 82                   |
| Radiator cap pressure                | bar | 1.0                  |

Fuel system

205, 1.9i CAT

1991 to 1993

|                                           |     |              |
|-------------------------------------------|-----|--------------|
| Idle speed - manual [auto]                | rpm | 900±50       |
| Fast idle speed - manual [auto]           | rpm | _            |
| CO @ idle speed [3000 rpm] - see page VI  | %   | ≤0.3         |
| 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                                |     | LU2-Jetronic |
| Main jet / needle                         |     | _            |
| Injection pressure                        | bar | _            |
| Pump pressure                             | bar | 2.5          |
| Octane rating                             | RON | 95[U]        |

Ignition system

205, 1.9i CAT

1991 to 1993

|                                 |                    |                 |
|---------------------------------|--------------------|-----------------|
| Type                            |                    | Electronic      |
| Ignition coil                   |                    | _               |
| Primary resistance              | ohms               | 0.82            |
| Ballast resistor                | ohms               | _               |
| Voltage - Tmnl 15(+) to earth   | V                  | _               |
| Distributor                     |                    | Bosch           |
| Points gap (air gap)            | mm                 | _               |
| Dwell angle                     | ° (%)              | _               |
| Condenser capacity              | µF                 | _               |
| Rotation                        |                    | Anticlockwise   |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 10 BTDC @ 900   |
| V = Vacuum NV = No Vacuum       |                    | _               |
| Total ignition advance          | ° Crankshaft @ rpm | C031-D022       |
|                                 | ° Crankshaft @ rpm | _               |
|                                 | ° Crankshaft @ rpm | _               |
| Centrifugal check.              | ° Crankshaft @ rpm | 9 to 15 @ 1300  |
|                                 | ° Crankshaft @ rpm | 23 to 28 @ 2000 |
|                                 | ° Crankshaft @ rpm | 33 to 37 @ 5000 |
| Vacuum range check              | mbar               | 186 to 733      |
| Maximum vacuum advance          | ° Crankshaft       | 20 to 24        |
| Spark plugs                     |                    | Eyquem/Champion |
| Type                            |                    | RFC52LS / C9YCX |
| Electrode gap                   | mm                 | 0.80            |

Electrical system

205, 1.9i CAT

1991 to 1993

|                                                     |             |                         |
|-----------------------------------------------------|-------------|-------------------------|
| Battery                                             | V / CC / RC | 12 / 210 / 65           |
| Alternator voltage / full load current / engine rpm |             | 13.8 to 14.8 / _ / 3000 |
| Starter motor current / voltage - cranking          | A / V       | _                       |
| - locked                                            | A / V       | _                       |

Running gear

205, 1.9i CAT

1991 to 1993

|                                          |    |     |
|------------------------------------------|----|-----|
| Brakes -                                 |    |     |
| Front (min. friction material thickness) | mm | 1.0 |
| Rear (min. friction material thickness)  | mm | _   |

|                                  |      |           |
|----------------------------------|------|-----------|
| Tyres                            |      |           |
| Saloon                           | Size | 185/60x14 |
| Estate / Van                     | Size | _         |
| Pressure - front / rear - Saloon | bar  | 2.0 / 2.0 |
| - Estate / Van                   | bar  | _         |

|                                    |        |             |
|------------------------------------|--------|-------------|
| Front suspension / wheel alignment |        |             |
| Toe-in (+) / Toe-out (-)           | mm [°] | +1.0±0.5 PW |
| Camber                             |        | 0±30'       |
| Castor                             |        | +2°50'±30'  |
| King pin inclination               |        | +10°±30'    |

|                                   |        |             |
|-----------------------------------|--------|-------------|
| Rear suspension / wheel alignment |        |             |
| Toe-in (+) / Toe-out (-)          | mm [°] | +1.8±0.8 PW |
| Camber                            |        | -50'±30'    |

Torque wrench settings

205, 1.9i CAT

1991 to 1993

|                         |    |                 |
|-------------------------|----|-----------------|
| Cylinder head - stage 1 | Nm | 60              |
| - stage 2               | Nm | Slacken         |
| Cylinder head - stage 3 | Nm | 20              |
| - stage 4               | Nm | + 300°          |
| Big-end bearings        | Nm | 40 <sup>1</sup> |
| Main bearings           | Nm | 49              |
| Clutch cover            | Nm | _               |
| Flywheel [driveplate]   | Nm | 49 LkC          |
| Front hubs              | Nm | 260             |
| Rear hubs               | Nm | 200             |
| Wheel nuts / bolts      | Nm | 85              |
| Spark plugs             | Nm | 25 to 30        |

Capacities

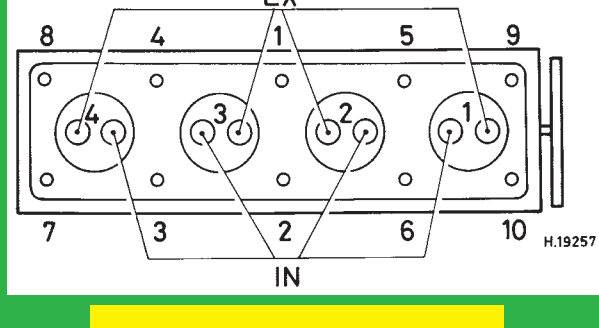
205, 1.9i CAT

1991 to 1993

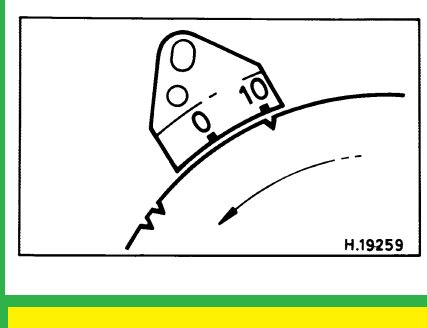
|                                 |        |                 |
|---------------------------------|--------|-----------------|
| Engine oil & filter             | litres | 5.0. 93 MY: 4.5 |
| Gearbox - 4-speed [5-speed]     | litres | 2.0             |
| Automatic transmission - refill | litres | 2.4             |
| Final drive                     | litres | WT              |
| Cooling system                  | litres | 6.6             |
| Fuel tank                       | litres | 50              |

Notes and Illustrations

<sup>1</sup>Slacken, then 20 + 70°



1905 cm³



1905 cm³