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Automotive Technical DATA BOOK

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HELP

Engine and cooling system Coupé S2 1993 to 1996

| | | |
|---|--------------------|------------|
| Type | ABY 169kW DOHC 20V | |
| Capacity (cm ³) / number of cylinders | 2226 / 5 | |
| Compression ratio / pressure | bar | 9.3 / ≥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 | 1-2-4-5-3 | |
| No 1 cylinder position | TBE | |
| Thermostat opening temperature | °C | 87 |
| Radiator cap pressure | bar | 1.2 to 1.5 |

Fuel system Coupé S2 1993 to 1996

| | | |
|---|---------------------|------------|
| Idle speed - manual [auto] | rpm | 800±30 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 |
| CO ₂ @ idle speed [3000 rpm] - see page VI | % | — |
| O ₂ @ idle speed [3000 rpm] - see page VI | % | — |
| Carburettor / fuel injection | Bosch | |
| Type / ref | Motronic plus Turbo | |
| Main jet / needle | — | |
| Injection pressure | bar | 3.4 to 3.7 |
| Pump pressure | bar | 4.0 to 4.2 |
| Octane rating | RON | 95[U] |

Ignition system Coupé S2 1993 to 1996

| | | |
|---------------------------------|---------------------------|------------------|
| Type | Motronic Static | |
| Ignition coil | Bosch 1 coil per cylinder | |
| 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 | 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 | Bosch | |
| Type | F5DPOR | |
| Electrode gap | mm | 0.60 to 0.70 |

Electrical system Coupé S2 1993 to 1996

| | | |
|---|-------------------------|-----------------|
| Battery | V / CC / RC | 12 / 300 / 63Ah |
| Alternator voltage / full load current / engine rpm | 12.5 to 14.5 / _ / 3000 | |
| Starter motor current / voltage - cranking | A / V | — |
| - locked | A / V | — |

Running gear Coupé S2 1993 to 1996

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

| | | |
|----------------------------------|------|-----------|
| Tyres | | |
| Saloon | Size | 205/55x16 |
| Estate / Van | Size | — |
| Pressure - front / rear - Saloon | bar | 2.3 / 2.3 |
| - Estate / Van | bar | — |

Front suspension / wheel alignment

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

Rear suspension / wheel alignment

| | | |
|--------------------------|--------|------------|
| Toe-in (+) / Toe-out (-) | mm [°] | [+20'±10'] |
| Camber | | -45'±30' |

Torque wrench settings Coupé S2 1993 to 1996

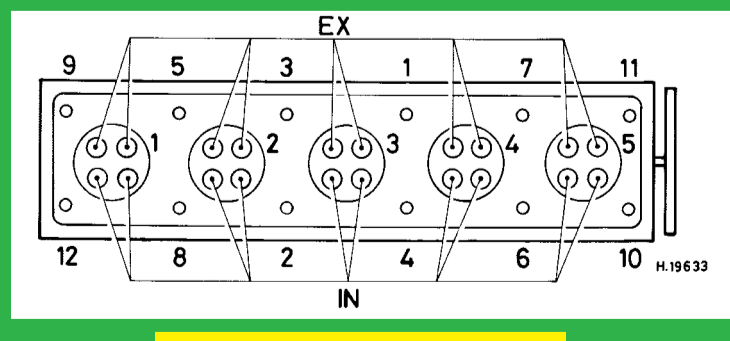
| | | |
|-------------------------|----|-----------------------------------|
| Cylinder head - stage 1 | Nm | 40 N |
| - stage 2 | Nm | 60 |
| Cylinder head - stage 3 | Nm | + 90° |
| - stage 4 | Nm | + 90° |
| Big-end bearings | Nm | 30 + 90° |
| Main bearings | Nm | 65 |
| Clutch cover | Nm | 25 |
| Flywheel [driveplate] | Nm | 70 LkC |
| Front hubs | Nm | M14 bolts: 120 + 90° ¹ |
| Rear hubs | Nm | 320 |
| Wheel nuts / bolts | Nm | 110 |
| Spark plugs | Nm | 30 |

Capacities Coupé S2 1993 to 1996

| | | |
|---------------------------------|--------|-------------------|
| Engine oil & filter | litres | 4.5 |
| Gearbox - 4-speed [5-speed] | litres | 3.5 +0.1 additive |
| Automatic transmission - refill | litres | — |
| Final drive | litres | Rear: 1.5 |
| Cooling system | litres | 8.5 |
| Fuel tank | litres | 70 |

Notes and Illustrations

¹M16: 200 + 90°



2226 cm³, 20V