Haynes THE BOOK

Automotive Technical DATA BOOK

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## Engine and cooling system

| | | Coupé 1.8 16V 1996 to 1997 |
|---|---|---|
| Type | | 183 A1.000 96kW DOHC 16V |
| Capacity (cm³) / number of cylinders | | 1747 / 4 |
| Compression ratio / pressure | bar | 10.3 / _ |
| Oil pressure | bar | [3.43 to 4.90] |
| Oil temperature | ºC | 100 |
| 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 | ºC | 81 to 85 |
| Radiator cap pressure | bar | 0.98 |

## Fuel system

| | | Coupé 1.8 16V 1996 to 1997 |
|---|---|---|
| Idle speed - manual [auto] | rpm | 850±50 N/A |
| Fast idle speed - manual [auto] | rpm | _ |
| CO @ idle speed [3000 rpm] - see page VI | % | ≤0.35 |
| HC @ idle speed [3000 rpm] - see page VI | ppm | ≤90 |
| CO2 @ idle speed [3000 rpm] - see page VI | % | ≥13.0 |
| O2 @ idle speed [3000 rpm] - see page VI | % | _ |
| Carburettor / fuel injection | | _Hitachi |
| Type / ref | | MFI-0 Ignition / Injection |
| Main jet / needle | | _ |
| Injection pressure | bar | 3.0±0.06 |
| Pump pressure | bar | _ |
| Octane rating | RON | 95[U] |

## Ignition system

| | | Coupé 1.8 16V 1996 to 1997 |
|---|---|---|
| Type | | Computerized |
| Ignition coil | | Hitachi 4x GE212331 |
| Primary resistance | ohms | 0.540 to 0.660 |
| Ballast resistor | ohms | _ |
| Voltage - Tmnl 15(+) to earth | V | _ |
| Distributor | | _ |
| Points gap (air gap) | mm | _ |
| Dwell angle | º (%) | _ |
| Condenser capacity | µF | _ |
| Rotation | | _ |
| Ignition timing - basic [static | º Crankshaft @ rpm | 10±5 BTDC @ 850±50 N/A |
| V = Vacuum NV = No Vacuum | | _ |
| Total ignition advance | º Crankshaft @ rpm | Computer control |
| | º Crankshaft @ rpm | _ |
| | º Crankshaft @ rpm | _ |
| Centrifugal check. | º Crankshaft @ rpm | Computer control |
| | º Crankshaft @ rpm | _ |
| | º Crankshaft @ rpm | _ |
| Vacuum range check | mbar | Computer control |
| Maximum vacuum advance | º Crankshaft | _ |
| Spark plugs | | NGK/Champion |
| Type | | BKR6EKC / R7BMC |
| Electrode gap | mm | 0.80 |

## Electrical system

| | | Coupé 1.8 16V 1996 to 1997 |
|---|---|---|
| Battery | V / CC / RC | 12 / 60 / 320 |
| Alternator voltage / full load current / engine rpm | | 14.3 to 14.6 / 75, 85 / _ |
| Starter motor current / voltage - cranking | A / V | _ |
| - locked | A / V | _ |

## Running gear

| | | Coupé 1.8 16V 1996 to 1997 |
|---|---|---|
| **Brakes** - | | |
| Front (min. friction material thickness) | mm | 1.5 |
| Rear (min. friction material thickness) | mm | 1.5 |
| **Tyres** | | |
| Saloon | Size | 195/55x15; 205/55x15 |
| Estate / Van | Size | _ |
| Pressure - front / rear - Saloon | bar | 2.5 / 2.2 |
| - Estate / Van | bar | _ |
| **Front suspension / wheel alignment** | | |
| Toe-in (+) / Toe-out (–) | mm [º] | 0±1.0 |
| Camber | | -30'±30' |
| Castor | | +3°±30' |
| King pin inclination | | _ |
| **Rear suspension / wheel alignment** | | |
| Toe-in (+) / Toe-out (–) | mm [º] | -0.5±2.0 |
| Camber | | -1°±30' |

## Torque wrench settings

| | | Coupé 1.8 16V 1996 to 1997 |
|---|---|---|
| Cylinder head - stage 1 | Nm | 40 |
| - stage 2 | Nm | + 90° |
| Cylinder head - stage 3 | Nm | + 90° |
| - stage 4 | Nm | + 90° |
| Big-end bearings | Nm | 20 + 60° |
| Main bearings | Nm | 20 + 100° |
| Clutch cover | Nm | 38 |
| Flywheel [driveplate] | Nm | 160 |
| Front hubs | Nm | 280 |
| Rear hubs | Nm | 280 |
| Wheel nuts / bolts | Nm | 97 |
| Spark plugs | Nm | 27 |

## Capacities

| | | Coupé 1.8 16V 1996 to 1997 |
|---|---|---|
| Engine oil & filter | litres | 5.2 |
| Gearbox - 4-speed [5-speed] | litres | 1.98 |
| Automatic transmission - refill | litres | _ |
| Final drive | litres | WT |
| Cooling system | litres | 6.9 |
| Fuel tank | litres | 63 |

## Notes and Illustrations

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