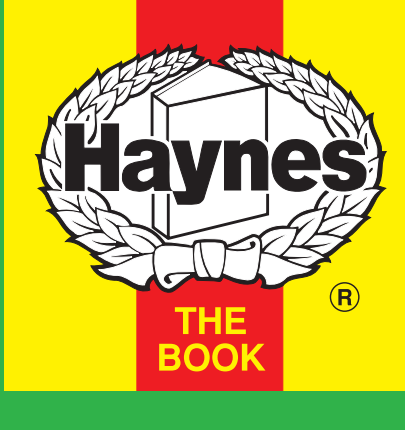


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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.

MENUHELP

Engine and cooling system

Xedos 6 2.0i

1992 to 1997

|                                      |                   |              |
|--------------------------------------|-------------------|--------------|
| Type                                 | KF DOHC 24V 107kW |              |
| Capacity (cm³) / number of cylinders | 1995 / 6          |              |
| Compression ratio / pressure         | bar               | 9.5 / ≥10.0  |
| Oil pressure                         | bar               | [3.4 to 5.0] |
| Oil temperature                      | °C                | 80           |
| Valve clearance - inlet              | mm                | 0: Hyd.      |
| Valve clearance - exhaust            | mm                | 0: Hyd.      |
| Firing order                         | 1-2-3-4-5-6       |              |
| No 1 cylinder position               | TGR               |              |
| Thermostat opening temperature       | °C                | 80 to 84     |
| Radiator cap pressure                | bar               | 0.8 to 1.1   |

Fuel system

Xedos 6 2.0i

1992 to 1997

|                                           |              |            |
|-------------------------------------------|--------------|------------|
| Idle speed - manual [auto]                | rpm          | 670±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              | Mazda        |            |
| Type / ref                                | EGI MPI VRIS |            |
| Main jet / needle                         | —            |            |
| Injection pressure                        | bar          | 2.7 to 3.1 |
| Pump pressure                             | bar          | 6.5        |
| Octane rating                             | RON          | 95[U]      |

Ignition system

Xedos 6 2.0i

1992 to 1997

|                                 |                    |                        |
|---------------------------------|--------------------|------------------------|
| Type                            | Electronic         |                        |
| Ignition coil                   | —                  |                        |
| Primary resistance              | ohms               | 0.81 to 0.99           |
| Ballast resistor                | ohms               | —                      |
| Voltage - Tmnl 15(+) to earth   | V                  | —                      |
| Distributor                     | Denso              |                        |
| Points gap (air gap)            | mm                 | —                      |
| Dwell angle                     | ° (%)              | —                      |
| Condenser capacity              | µF                 | —                      |
| Rotation                        | Anticlockwise      |                        |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 10±1 BTDC @ 670±30 WSM |
| 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                |                        |
| Type                            | BKR6E-11           |                        |
| Electrode gap                   | mm                 | 1.00 to 1.10           |

Electrical system

Xedos 6 2.0i

1992 to 1997

|                                                     |                          |           |
|-----------------------------------------------------|--------------------------|-----------|
| Battery                                             | V / CC / RC              | 12 / 55Ah |
| Alternator voltage / full load current / engine rpm | 13.8 to 14.4 / 90 / 2000 |           |
| Starter motor current / voltage - cranking          | A / V                    | —         |
| - locked                                            | A / V                    | —         |

Running gear

Xedos 6 2.0i

1992 to 1997

|                                          |    |     |
|------------------------------------------|----|-----|
| Brakes -                                 |    |     |
| Front (min. friction material thickness) | mm | 2.0 |
| Rear (min. friction material thickness)  | mm | 1.0 |

|                                  |      |           |
|----------------------------------|------|-----------|
| Tyres                            |      |           |
| Saloon                           | Size | 195/60x15 |
| Estate / Van                     | Size | —         |
| Pressure - front / rear - Saloon | bar  | 2.0 / 2.0 |
| - Estate / Van                   | bar  | —         |

|                                    |           |          |
|------------------------------------|-----------|----------|
| Front suspension / wheel alignment |           |          |
| Toe-in (+) / Toe-out (–)           | mm [°]    | +3.0±1.0 |
| Camber                             | -9'±1°    |          |
| Castor                             | +2°27'±1° |          |
| King pin inclination               | +14°31'   |          |

|                                   |         |       |
|-----------------------------------|---------|-------|
| Rear suspension / wheel alignment |         |       |
| Toe-in (+) / Toe-out (–)          | mm [°]  | 0±1.0 |
| Camber                            | -43'±1° |       |

Torque wrench settings

Xedos 6 2.0i

1992 to 1997

|                         |    |                |
|-------------------------|----|----------------|
| Cylinder head - stage 1 | Nm | 23 to 26       |
| - stage 2               | Nm | + 85 to 95°    |
| Cylinder head - stage 3 | Nm | + 85 to 95°    |
| - stage 4               | Nm | —              |
| Big-end bearings        | Nm | 22 to 27 + 90° |
| Main bearings           | Nm | WSM            |
| Clutch cover            | Nm | 18 to 26       |
| Flywheel [driveplate]   | Nm | 61 to 67       |
| Front hubs              | Nm | 235 to 319 N   |
| Rear hubs               | Nm | 177 to 235 N   |
| Wheel nuts / bolts      | Nm | 89 to 117      |
| Spark plugs             | Nm | 15 to 23       |

Capacities

Xedos 6 2.0i

1992 to 1997

|                                 |        |     |
|---------------------------------|--------|-----|
| Engine oil & filter             | litres | 4.0 |
| Gearbox - 4-speed [5-speed]     | litres | 2.7 |
| Automatic transmission - refill | litres | 8.8 |
| Final drive                     | litres | WT  |
| Cooling system                  | litres | 7.5 |
| Fuel tank                       | litres | 60  |

Notes and Illustrations

