

Engine & Cooling

Fuel

Ignition

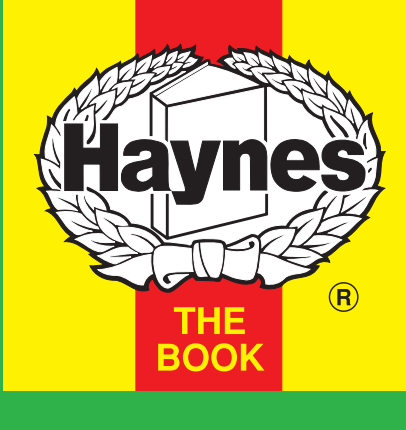
Electrical

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Automotive Technical  
**DATA BOOK**

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HELP

Engine and cooling systemXM, 2.0i1991 to 1992

|                                      |     |                         |
|--------------------------------------|-----|-------------------------|
| Type                                 |     | XU10J2 (R6A) 94kW 15.04 |
| Capacity (cm³) / number of cylinders |     | 1998 / 4                |
| Compression ratio / pressure         | bar | 8.8 / _                 |
| Oil pressure                         | bar | [4.0]                   |
| Oil temperature                      | °C  | 80                      |
| Valve clearance - inlet              | mm  | 0.15 to 0.25            |
| Valve clearance - exhaust            | mm  | 0.35 to 0.45            |
| Firing order                         |     | 1-3-4-2                 |
| No 1 cylinder position               |     | FE                      |
| Thermostat opening temperature       | °C  | 89                      |
| Radiator cap pressure                | bar | 1.4                     |

Fuel systemXM, 2.0i1991 to 1992

|                                           |     |              |
|-------------------------------------------|-----|--------------|
| Idle speed - manual [auto]                | rpm | 850±50 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 | ≤100         |
| CO2 @ idle speed [3000 rpm] - see page VI | %   | _            |
| O2 @ idle speed [3000 rpm] - see page VI  | %   | _            |
| Carburettor / fuel injection              |     | _            |
| Type / ref                                |     | MM BA MPI    |
| Main jet / needle                         |     | _            |
| Injection pressure                        | bar | 2.5 to 3.0   |
| Pump pressure                             | bar | 3.0          |
| Octane rating                             | RON | 98[E 95 RON] |

Ignition systemXM, 2.0i1991 to 1992

|                                 |                    |                  |
|---------------------------------|--------------------|------------------|
| Type                            |                    | Static           |
| Ignition coil                   |                    | 2x Valeo BAE 04  |
| Primary resistance              | ohms               | 0.8              |
| 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/Champion   |
| Type                            |                    | F6DCOR / C7YCX   |
| Electrode gap                   | mm                 | 0.80             |

Electrical systemXM, 2.0i1991 to 1992

|                                                     |             |                       |
|-----------------------------------------------------|-------------|-----------------------|
| Battery                                             | V / CC / RC | 12 / 250 / _, 300 / _ |
| Alternator voltage / full load current / engine rpm |             | 13.5 / 75, 90 / 3000  |
| Starter motor current / voltage - cranking          | A / V       | _                     |
| - locked                                            | A / V       | _                     |

Running gearXM, 2.0i1991 to 1992

|                                          |    |     |
|------------------------------------------|----|-----|
| Brakes -                                 |    |     |
| Front (min. friction material thickness) | mm | 3.0 |
| Rear (min. friction material thickness)  | mm | 2.0 |

|                                  |      |            |
|----------------------------------|------|------------|
| Tyres                            |      |            |
| Saloon                           | Size | 195/60x15  |
| Estate / Van                     | Size | 195/65x15  |
| Pressure - front / rear - Saloon | bar  | 2.1 / 1.9¹ |
| - Estate / Van                   | bar  | 2.3 / 2.3  |

|                                    |        |                |
|------------------------------------|--------|----------------|
| Front suspension / wheel alignment |        |                |
| Toe-in (+) / Toe-out (-)           | mm [°] | 0 to -3.0      |
| Camber                             |        | 0±30'² N/A     |
| Castor                             |        | +2°30'±30' N/A |
| King pin inclination               |        | +13°14'³ N/A   |

|                                   |        |                 |
|-----------------------------------|--------|-----------------|
| Rear suspension / wheel alignment |        |                 |
| Toe-in (+) / Toe-out (-)          | mm [°] | +0.5 to 6.5 N/A |
| Camber                            |        | +50'±20' N/A    |

Torque wrench settingsXM, 2.0i1991 to 1992

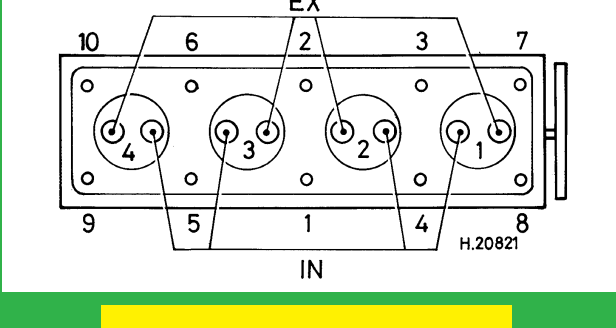
|                         |    |                   |
|-------------------------|----|-------------------|
| Cylinder head - stage 1 | Nm | 35 oiled          |
| - stage 2               | Nm | 70                |
| Cylinder head - stage 3 | Nm | + 160°            |
| - stage 4               | Nm | _                 |
| Big-end bearings        | Nm | 40, loosen, then⁴ |
| Main bearings           | Nm | 70                |
| Clutch cover            | Nm | 20                |
| Flywheel [driveplate]   | Nm | 50                |
| Front hubs              | Nm | 320               |
| Rear hubs               | Nm | 275               |
| Wheel nuts / bolts      | Nm | 90                |
| Spark plugs             | Nm | 25                |

CapacitiesXM, 2.0i1991 to 1992

|                                 |        |               |
|---------------------------------|--------|---------------|
| Engine oil & filter             | litres | 5.4           |
| Gearbox - 4-speed [5-speed]     | litres | 2.0           |
| Automatic transmission - refill | litres | 2.0           |
| Final drive                     | litres | WT            |
| Cooling system                  | litres | 7.3. A/C: 8.2 |
| Fuel tank                       | litres | 80            |

Notes and Illustrations

- ¹A/C: 2.2 / 1.9
- ²Hydractive suspension: -15'±30'
- ³Hydractive suspension: +13°28'
- ⁴20 + 70°



1998 cm³, 8V