

Engine & Cooling

Fuel

Ignition

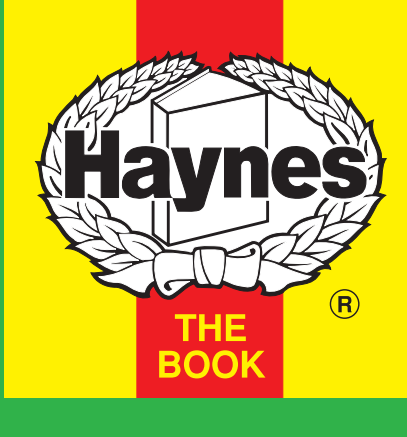
Electrical

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Automotive Technical  
**DATA BOOK**

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Engine and cooling systemZX 1.4i1996 to 1997

|                                                   |     |                     |
|---------------------------------------------------|-----|---------------------|
| Type                                              |     | TU3JP/L3 (KFX) 55kW |
| Capacity (cm <sup>3</sup> ) / number of cylinders |     | 1360 / 4            |
| Compression ratio / pressure                      | bar | 10.2 / _            |
| Oil pressure                                      | bar | [4.0]               |
| Oil temperature                                   | °C  | 90                  |
| Valve clearance - inlet                           | mm  | 0.20±0.05           |
| Valve clearance - exhaust                         | mm  | 0.40±0.05           |
| Firing order                                      |     | 1-3-4-2             |
| No 1 cylinder position                            |     | FE                  |
| Thermostat opening temperature                    | °C  | 89                  |
| Radiator cap pressure                             | bar | 1.4                 |

Fuel systemZX 1.4i1996 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  | %   | _               |
| HC @ idle speed [3000 rpm] - see page VI  | ppm | _               |
| CO2 @ idle speed [3000 rpm] - see page VI | %   | ≥11.0           |
| O2 @ idle speed [3000 rpm] - see page VI  | %   | _               |
| Carburettor / fuel injection              |     | Magneti-Marelli |
| Type / ref                                |     | 1AP 40 MPI      |
| Main jet / needle                         |     | _               |
| Injection pressure                        | bar | _               |
| Pump pressure                             | bar | _               |
| Octane rating                             | RON | 95[U]           |

Ignition systemZX 1.4i1996 to 1997

|                                 |                    |                   |
|---------------------------------|--------------------|-------------------|
| Type                            |                    | Static            |
| Ignition coil                   |                    | BAE 04, 4 output  |
| Primary resistance              | ohms               | 0.5 to 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 | Computer control  |
| 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                     |                    | Bosch/Eyquem      |
| Type                            |                    | FR7LDC / RFC52LSP |
| Electrode gap                   | mm                 | 0.80 to 0.90      |

Electrical systemZX 1.4i1996 to 1997

|                                                     |             |                          |
|-----------------------------------------------------|-------------|--------------------------|
| Battery                                             | V / CC / RC | (12L1 200, 12L1 250)     |
| Alternator voltage / full load current / engine rpm |             | 13.8 to 14.5 / 70 / 1800 |
| Starter motor current / voltage - cranking          | A / V       | 275 / 12                 |
| - locked                                            | A / V       | 220 / _                  |

Running gearZX 1.4i1996 to 1997

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

|                                  |      |                      |
|----------------------------------|------|----------------------|
| Tyres                            |      |                      |
| Saloon                           | Size | 165/70x13: 175/65x14 |
| Estate / Van                     | Size | 175/65x14            |
| Pressure - front / rear - Saloon | bar  | 2.2 / 2.2            |
| - Estate / Van                   | bar  | Refer to car         |

|                                    |        |                                |
|------------------------------------|--------|--------------------------------|
| Front suspension / wheel alignment |        |                                |
| Toe-in (+) / Toe-out (-)           | mm [°] | -1.0 to -3.0. PAS: +1.0 to 3.0 |
| Camber                             |        | 0±40' N/A                      |
| Castor                             |        | +1°30'±40'. PAS: +3°±40' N/A   |
| King pin inclination               |        | +10°45'±40'                    |

|                                   |        |             |
|-----------------------------------|--------|-------------|
| Rear suspension / wheel alignment |        |             |
| Toe-in (+) / Toe-out (-)          | mm [°] | +2.5 to 6.0 |
| Camber                            |        | -1°±40'     |

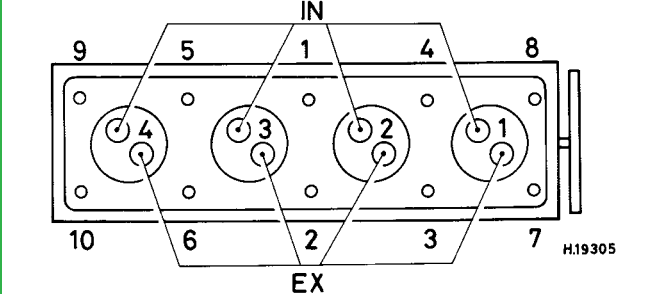
Torque wrench settingsZX 1.4i1996 to 1997

|                         |    |          |
|-------------------------|----|----------|
| Cylinder head - stage 1 | Nm | 20       |
| - stage 2               | Nm | + 240°   |
| Cylinder head - stage 3 | Nm | _        |
| - stage 4               | Nm | _        |
| Big-end bearings        | Nm | 40       |
| Main bearings           | Nm | 20 + 45° |
| Clutch cover            | Nm | 35       |
| Flywheel [driveplate]   | Nm | 65 LkC   |
| Front hubs              | Nm | 240      |
| Rear hubs               | Nm | 200      |
| Wheel nuts / bolts      | Nm | 90       |
| Spark plugs             | Nm | 25       |

CapacitiesZX 1.4i1996 to 1997

|                                 |        |                     |
|---------------------------------|--------|---------------------|
| Engine oil & filter             | litres | 3.5                 |
| Gearbox - 4-speed [5-speed]     | litres | 2.0                 |
| Automatic transmission - refill | litres | _                   |
| Final drive                     | litres | WT                  |
| Cooling system                  | litres | 6.5. A/C to 93: 7.5 |
| Fuel tank                       | litres | 54                  |

Notes and Illustrations



1360 cm³