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## Automotive Technical DATA BOOK

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### Engine and cooling system ZX 1.4i CAT 1992 to 1993

|   |     |                          |
|---|-----|--------------------------|
| Type  |     | TU3M/L/Z (KDY) 55kW US83 |
| Capacity (cm <sup>3</sup> ) / number of cylinders |     | 1360 / 4                 |
| Compression ratio / pressure                      | bar | 9.3 / _                  |
| 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 system ZX 1.4i CAT 1992 to 1993

|   |     |                    |
|---|-----|--------------------|
| Idle speed - manual [auto]                            | rpm | 850 to 900 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 | _                  |
| CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI | %   | ≥10.0              |
| O <sub>2</sub> @ idle speed [3000 rpm] - see page VI  | %   | _                  |
| Carburettor / fuel injection                          |     | Bosch              |
| Type / ref  |     | A2.2 Mono-Jetronic |
| Main jet / needle                                     |     | _                  |
| Injection pressure                                    | bar | 1.0                |
| Pump pressure   | bar | 1.1                |
| Octane rating   | RON | 95[U]              |

### Ignition system ZX 1.4i CAT 1992 to 1993

|                                 |                    |                  |
|---------------------------------|--------------------|------------------|
| Type                            |                    | Electronic       |
| Ignition coil                   |                    | BTR 02           |
| Primary resistance              | ohms               | 0.8              |
| Ballast resistor                | ohms               | _                |
| Voltage - Tmnl 15(+) to earth   | V                  | _                |
| Distributor                     |                    | Ducellier/Bosch  |
| Points gap (air gap)            | mm                 | _                |
| Dwell angle                     | ° (%)              | _                |
| Condenser capacity              | µF                 | _                |
| Rotation                        |                    | Anticlockwise    |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 8±2 BTDC @ idle  |
| V = Vacuum NV = No Vacuum       |                    | NV               |
| Total ignition advance          | ° Crankshaft @ rpm | C060-D049        |
|                                 | ° Crankshaft @ rpm | _                |
|                                 | ° Crankshaft @ rpm | _                |
| Centrifugal check.              | ° Crankshaft @ rpm | 0 @ 1000 to 1800 |
|                                 | ° Crankshaft @ rpm | 6 to 10 @ 3000   |
|                                 | ° Crankshaft @ rpm | 22 to 26 @ 6200  |
| Vacuum range check              | mbar               | 130 to 640       |
| Maximum vacuum advance          | ° Crankshaft       | 20 to 24         |
| Spark plugs                     |                    | Eyquem/Champion  |
| Type                            |                    | RFC42LS / C10YCC |
| Electrode gap                   | mm                 | 0.80 to 0.90     |

### Electrical system ZX 1.4i CAT 1992 to 1993

|   |             |                          |
|---|-------------|--------------------------|
| Battery   | V / CC / RC | (12L1 200, 12L1 250)     |
| Alternator voltage / full load current / engine rpm |             | 13.8 to 14.5 / 50 / 1800 |
| Starter motor current / voltage - cranking          | A / V       | 105 / 12                 |
| - locked  | A / V       | 220 / _                  |

### Running gear ZX 1.4i CAT 1992 to 1993

|   |        |                            |
|---|--------|----------------------------|
| <b>Brakes -</b>                           |        |                            |
| Front (min. friction material thickness)  | mm     | 2.0                        |
| Rear (min. friction material thickness)   | mm     | 1.0                        |
| <b>Tyres</b>                              |        |                            |
| Saloon                                    | Size   | 165/70x13                  |
| Estate / Van                              | Size   | _                          |
| Pressure - front / rear - Saloon          | bar    | 2.2 / 2.2                  |
| - Estate / Van                            | bar    | _                          |
| <b>Front suspension / wheel alignment</b> |        |                            |
| Toe-in (+) / Toe-out (-)                  | mm [°] | 0 to -2.0'                 |
| Camber                                    |        | +30'±40' N/A               |
| Castor                                    |        | +30'±40'. PAS: +2°±40' N/A |
| King pin inclination                      |        | +10°45'±40'                |
| <b>Rear suspension / wheel alignment</b>  |        |                            |
| Toe-in (+) / Toe-out (-)                  | mm [°] | -2.0 to +2.0               |
| Camber                                    |        | -1°±40'                    |

### Torque wrench settings ZX 1.4i CAT 1992 to 1993

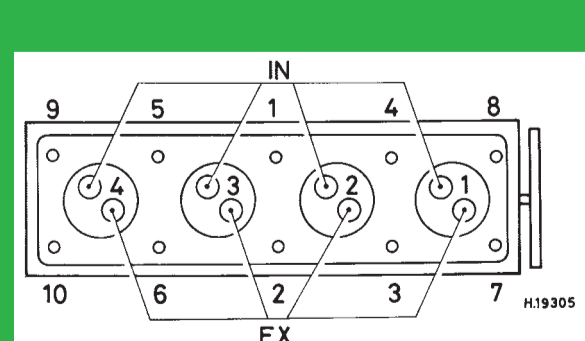
|                         |    |          |
|-------------------------|----|----------|
| Cylinder head - stage 1 | Nm | 20       |
| - stage 2               | Nm | + 240°   |
| Cylinder head - stage 3 | Nm | _        |
| - stage 4               | Nm | _        |
| Big-end bearings        | Nm | 40       |
| Main bearings           | Nm | 20 + 45° |
| Clutch cover            | Nm | 35       |
| Flywheel [driveplate]   | Nm | 65 LkC   |
| Front hubs              | Nm | 250      |
| Rear hubs               | Nm | 140      |
| Wheel nuts / bolts      | Nm | 90       |
| Spark plugs             | Nm | 25       |

### Capacities ZX 1.4i CAT 1992 to 1993

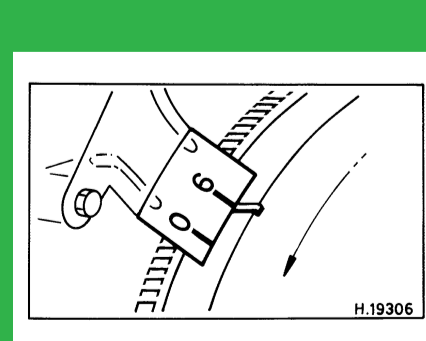
|                                 |        |               |
|---------------------------------|--------|---------------|
| Engine oil & filter             | litres | 3.5           |
| Gearbox - 4-speed [5-speed]     | litres | 2.0           |
| Automatic transmission - refill | litres | _             |
| Final drive                     | litres | WT            |
| Cooling system                  | litres | 6.5. A/C: 7.5 |
| Fuel tank                       | litres | 56            |

### Notes and Illustrations

<sup>1</sup>PAS: +2.5 to 4.5



1360 cm<sup>3</sup>



1360 cm<sup>3</sup>