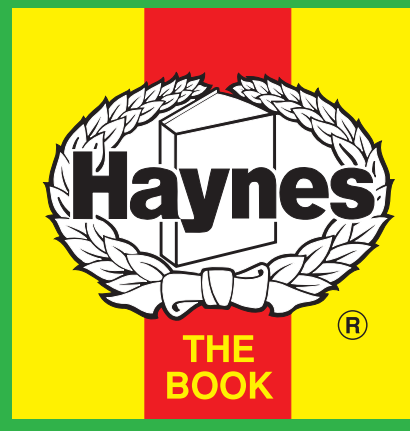


|                  |      |          |            |              |                 |            |                       |
|------------------|------|----------|------------|--------------|-----------------|------------|-----------------------|
| Engine & Cooling | Fuel | Ignition | Electrical | Running gear | Torque settings | Capacities | Notes & Illustrations |
|------------------|------|----------|------------|--------------|-----------------|------------|-----------------------|



# Automotive Technical DATA BOOK

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HELP

## Engine and cooling system 740, 2.0 1988 to 1991

|   |                      |                       |
|---|----------------------|-----------------------|
| Type  | B200E. SOHC 8V. 89kW |                       |
| Capacity (cm <sup>3</sup> ) / number of cylinders | 1986 / 4             |                       |
| Compression ratio / pressure                      | bar                  | 10.0 / ≥8.8           |
| Oil pressure                                      | bar                  | [2.5 to 8.0]          |
| Oil temperature                                   | °C                   | 80                    |
| Valve clearance - inlet                           | mm                   | 0.30 to 0.40          |
| - exhaust   | mm                   | 0.30 to 0.40          |
| Firing order                                      | 1-3-4-2              |                       |
| No 1 cylinder position                            | TBE                  |                       |
| Thermostat opening temperature                    | °C                   | 87 to 97 or 92 to 102 |
| Radiator cap pressure                             | bar                  | 1.5                   |

## Fuel system 740, 2.0 1988 to 1991

|   |                  |              |
|---|------------------|--------------|
| Idle speed - manual [auto]                            | rpm              | 900±50       |
| Fast idle speed - manual [auto]                       | rpm              | —            |
| CO @ idle speed [3000 rpm] - see page VI              | %                | 1.0-0.5+1.0  |
| HC @ idle speed [3000 rpm] - see page VI              | ppm              | ≤1200        |
| CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI | %                | —            |
| O <sub>2</sub> @ idle speed [3000 rpm] - see page VI  | %                | —            |
| Carburettor / fuel injection                          | Bosch            |              |
| Type / ref  | CIS (K-Jetronic) |              |
| Main jet / needle                                     | —                |              |
| Injection pressure                                    | bar              | 3.5 to 4.0   |
| Pump pressure   | bar              | 4.4 to 5.2   |
| Octane rating   | RON              | 95[E 95 RON] |

## Ignition system 740, 2.0 1988 to 1991

|                                 |                    |                              |
|---------------------------------|--------------------|------------------------------|
| Type                            | EZ118K             |                              |
| Ignition coil                   | Bosch              |                              |
| Primary resistance              | ohms               | 0.6 to 0.8                   |
| Ballast resistor                | ohms               | —                            |
| Voltage - Tmnl 15(+) to earth   | V                  | —                            |
| Distributor                     | Bosch              |                              |
| Points gap (air gap)            | mm                 | —                            |
| Dwell angle                     | ° (%)              | —                            |
| Condenser capacity              | µF                 | —                            |
| Rotation                        | Clockwise          |                              |
| Ignition timing - basic [static | ° Crankshaft @ rpm | 12 BTDC @ 900±50             |
| V = Vacuum NV = No Vacuum       | NV                 |                              |
| Total ignition advance          | ° Crankshaft @ rpm | 22 to 26 @ 2500              |
|                                 | ° Crankshaft @ rpm | Non-adjustable, Renix system |
|                                 | ° 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                            | WR6DC / N7YC       |                              |
| Electrode gap                   | mm                 | 0.70 to 0.80                 |

## Electrical system 740, 2.0 1988 to 1991

|   |                         |                                      |
|---|-------------------------|--------------------------------------|
| Battery   | V / CC / RC             | 12 / 450 / 90                        |
| Alternator voltage / full load current / engine rpm | 13.8 to 14.6 / _ / 3000 |                                      |
| Starter motor current / voltage - cranking          | A / V                   | 1.1kW: 70 / 11.5 <sup>1</sup>        |
| - locked  | A / V                   | 1.1kW: 480 to 560 / 7.4 <sup>2</sup> |

## Running gear 740, 2.0 1988 to 1991

|  |    |     |
|--|----|-----|
| <b>Brakes -</b>                          |    |     |
| Front (min. friction material thickness) | mm | 3.0 |
| Rear (min. friction material thickness)  | mm | 2.0 |

## Tyres

|                                  |      |           |
|----------------------------------|------|-----------|
| Saloon                           | Size | 185/65x15 |
| Estate / Van                     | Size | 185/65x15 |
| Pressure - front / rear - Saloon | bar  | 1.9 / 1.9 |
| - Estate / Van                   | bar  | 1.9 / 2.1 |

## Front suspension / wheel alignment

|                          |                |          |
|--------------------------|----------------|----------|
| Toe-in (+) / Toe-out (-) | mm [°]         | +3.5±1.0 |
| Camber                   | -0.2° to +0.8° |          |
| Castor                   | +4.5° to 5.5°  |          |
| King pin inclination     | —              |          |

## Rear suspension / wheel alignment

|                          |        |   |
|--------------------------|--------|---|
| Toe-in (+) / Toe-out (-) | mm [°] | — |
| Camber                   | —      |   |

## Torque wrench settings 740, 2.0 1988 to 1991

|                         |    |           |
|-------------------------|----|-----------|
| Cylinder head - stage 1 | Nm | 20        |
| - stage 2               | Nm | 60        |
| - stage 3               | Nm | + 90°     |
| - stage 4               | Nm | —         |
| Big-end bearings        | Nm | 20 + 90°  |
| Main bearings           | Nm | 110       |
| Clutch cover            | Nm | —         |
| Flywheel [driveplate]   | Nm | 70 N      |
| Front hubs              | Nm | 100 + 45° |
| Rear hubs               | Nm | WSM       |
| Wheel nuts / bolts      | Nm | 85        |
| Spark plugs             | Nm | 25        |

## Capacities 740, 2.0 1988 to 1991

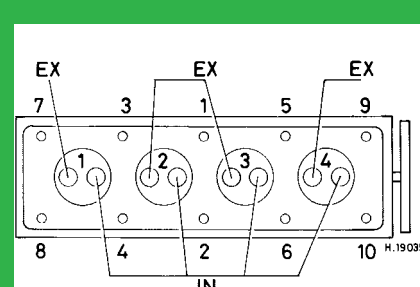
|                                 |        |     |
|---------------------------------|--------|-----|
| Engine oil & filter             | litres | 3.9 |
| Gearbox - 4-speed [5-speed]     | litres | 1.6 |
| Automatic transmission - refill | litres | 3.9 |
| Final drive                     | litres | 1.6 |
| Cooling system                  | litres | 8.5 |
| Fuel tank                       | litres | 60  |

## Notes and Illustrations

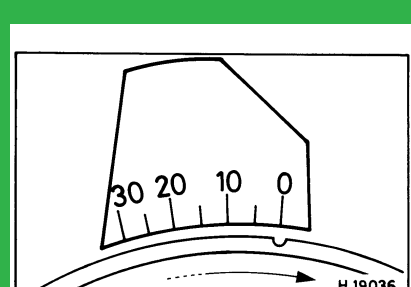
<sup>1</sup>1.4kW: 75 / 11.5. 2kW: 65 to 95 / 11.5. Hitachi: 300 / 8.8

<sup>2</sup>1.4kW: 625 to 800 / 4.5. 2kW: 700 to 880 / 4.5. Hitachi: 880 / 3

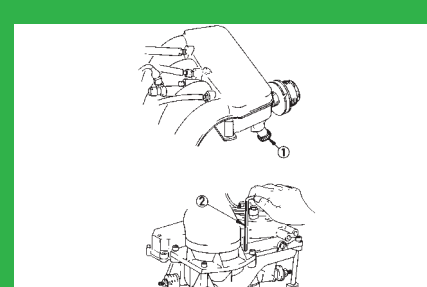
1: Idle speed 2: CO / Mixture



1986 cm<sup>3</sup>



1986 cm<sup>3</sup>



K-Jetronic