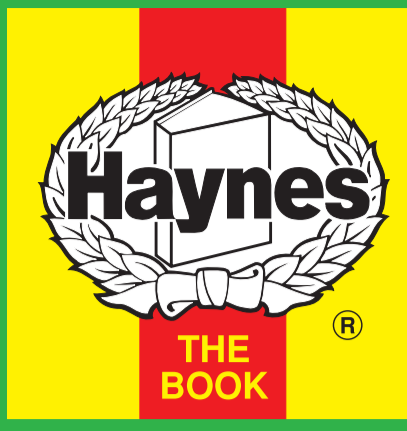


|                  |      |          |            |              |                 |            |                       |
|------------------|------|----------|------------|--------------|-----------------|------------|-----------------------|
| Engine & Cooling | Fuel | Ignition | Electrical | Running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

MENU

HELP

### Engine and cooling system Fiesta 1.3, Van & Courier 1991 to 1994

|   |     |                     |
|---|-----|---------------------|
| Type  |     | JBC HCS 44kW. 15.05 |
| Capacity (cm <sup>3</sup> ) / number of cylinders |     | 1297 / 4            |
| Compression ratio / pressure                      | bar | 9.5 / 13 to 16      |
| Oil pressure                                      | bar | 0.6 [1.5]           |
| Oil temperature                                   | °C  | 80                  |
| Valve clearance - inlet                           | mm  | 0.20                |
| Valve clearance - exhaust                         | mm  | 0.30 to 0.35        |
| Firing order                                      |     | 1-2-4-3             |
| No 1 cylinder position                            |     | TCE                 |
| Thermostat opening temperature                    | °C  | 85 to 89            |
| Radiator cap pressure                             | bar | 1.2 to 1.4          |

### Fuel system Fiesta 1.3, Van & Courier 1991 to 1994

|   |     |                 |
|---|-----|-----------------|
| Idle speed - manual [auto]                            | rpm | 750±50 (fan on) |
| Fast idle speed - manual [auto]                       | rpm | 2500            |
| CO @ idle speed [3000 rpm] - see page VI              | %   | ≤0.3            |
| HC @ idle speed [3000 rpm] - see page VI              | ppm | ≤200            |
| 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                          |     | Weber           |
| Type / ref  |     | 2V (TLD)        |
| Main jet / needle                                     |     | 90, 122         |
| Injection pressure                                    | bar | —               |
| Pump pressure   | bar | 0.24 to 0.38    |
| Octane rating   | RON | 98[E 95 RON]    |

### Ignition system Fiesta 1.3, Van & Courier 1991 to 1994

|                                 |                    |                     |
|---------------------------------|--------------------|---------------------|
| Type                            |                    | DIS                 |
| Ignition coil                   |                    | High output DIS     |
| Primary resistance              | ohms               | 0.5±0.05            |
| 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 | —                   |
| 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                     |                    | Motorcraft/Champion |
| Type                            |                    | AGRF22C1 / RS9YC    |
| Electrode gap                   | mm                 | 1.00                |

### Electrical system Fiesta 1.3, Van & Courier 1991 to 1994

|   |             |                                   |
|---|-------------|-----------------------------------|
| Battery   | V / CC / RC | 12 / 270 / 50, 360 / 60, 500 / 70 |
| Alternator voltage / full load current / engine rpm |             | 13.7 to 14.6 / 50, 70 / 3000      |
| Starter motor current / voltage - cranking          | A / V       | —                                 |
| - locked  | A / V       | —                                 |

### Running gear Fiesta 1.3, Van & Courier 1991 to 1994

|  |    |     |
|--|----|-----|
| <b>Brakes -</b>                          |    |     |
| Front (min. friction material thickness) | mm | 1.5 |
| Rear (min. friction material thickness)  | mm | 1.0 |

|                                  |      |                              |
|----------------------------------|------|------------------------------|
| <b>Tyres</b>                     |      |                              |
| Saloon                           | Size | 145x13: 155/70x13: 165/65x13 |
| Estate / Van                     | Size | 145x13: 165/70x13            |
| Pressure - front / rear - Saloon | bar  | 1.8 / 1.8 <sup>1</sup>       |
| - Estate / Van                   | bar  | 1.8 / 1.8 <sup>2</sup>       |

### Front suspension / wheel alignment

|                          |        |  |
|--------------------------|--------|--|
| Toe-in (+) / Toe-out (-) | mm [°] | -2.0±1.0                                 |
| Camber                   |        | -8'±1°20'. Van: -3'±1°20' <sup>3</sup>   |
| Castor                   |        | +53'±1°15'. Van: +51'±1°15' <sup>4</sup> |
| King pin inclination     |        | —  |

### Rear suspension / wheel alignment

|                          |        |                         |
|--------------------------|--------|-------------------------|
| Toe-in (+) / Toe-out (-) | mm [°] | +2.3±2.0 <sup>5</sup>   |
| Camber                   |        | -1°+30'-1° <sup>6</sup> |

### Torque wrench settings Fiesta 1.3, Van & Courier 1991 to 1994

|                         |    |            |
|-------------------------|----|------------|
| Cylinder head - stage 1 | Nm | 30         |
| - stage 2               | Nm | + 90°      |
| Cylinder head - stage 3 | Nm | + 90°      |
| - stage 4               | Nm | —          |
| Big-end bearings        | Nm | 4 + 90°    |
| Main bearings           | Nm | 88 to 102  |
| Clutch cover            | Nm | 24 to 35   |
| Flywheel [driveplate]   | Nm | 64 to 70   |
| Front hubs              | Nm | 205 to 235 |
| Rear hubs               | Nm | 250 to 290 |
| Wheel nuts / bolts      | Nm | 100        |
| Spark plugs             | Nm | 14 to 20   |

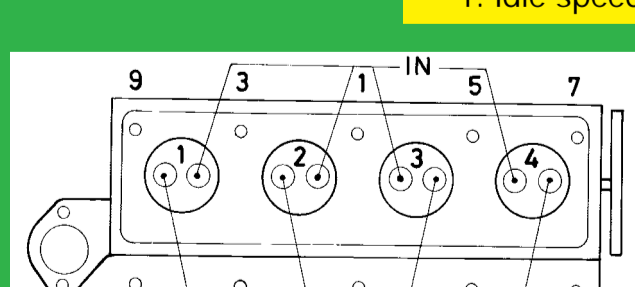
### Capacities Fiesta 1.3, Van & Courier 1991 to 1994

|                                 |        |      |
|---------------------------------|--------|------|
| Engine oil & filter             | litres | 3.25 |
| Gearbox - 4-speed [5-speed]     | litres | 3.1  |
| Automatic transmission - refill | litres | 3.5  |
| Final drive                     | litres | WT   |
| Cooling system                  | litres | 7.1  |
| Fuel tank                       | litres | 42   |

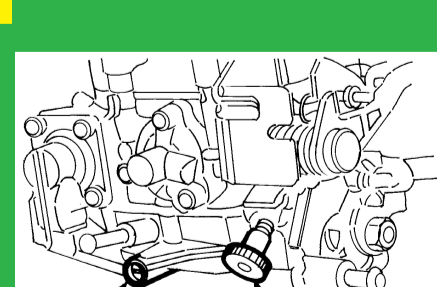
### Notes and Illustrations

- <sup>1</sup>155/70x13: 2.0 / 1.8
- <sup>2</sup>Courier: 2.3 / 2.5
- <sup>3</sup>92 ▶: -9'±1°20'. Van: -6'±1°20'
- <sup>4</sup>92 ▶: +51'±1°15'. Van: +53'±1°15'
- <sup>5</sup>Courier: +1.35±0.5
- <sup>6</sup>Courier: -24.5'±10'

1: Idle speed      2: CO / Mixture



1297 cm<sup>3</sup>



Weber TLD