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# Automotive Technical DATA BOOK

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### Engine and cooling system Fiesta 1.4 16V 1995 to 1997

|   |                            |              |
|---|----------------------------|--------------|
| Type  | Zetec SE FHA DOHC 16V 66kW |              |
| Capacity (cm <sup>3</sup> ) / number of cylinders | 1388 / 4                   |              |
| Compression ratio / pressure                      | bar                        | 10.3 / _     |
| Oil pressure                                      | bar                        | 1.4 [3.0]    |
| Oil temperature                                   | °C                         | 80           |
| Valve clearance - inlet                           | mm                         | 0.17 to 0.23 |
| Valve clearance - exhaust                         | mm                         | 0.27 to 0.33 |
| Firing order                                      | 1-3-4-2                    |              |
| No 1 cylinder position                            | TBE                        |              |
| Thermostat opening temperature                    | °C                         | 85 to 89     |
| Radiator cap pressure                             | bar                        | 1.20         |

### Fuel system Fiesta 1.4 16V 1995 to 1997

|   |            |       |
|---|------------|-------|
| Idle speed - manual [auto]                            | rpm        | 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 | %          | _     |
| O <sub>2</sub> @ idle speed [3000 rpm] - see page VI  | %          | _     |
| Carburettor / fuel injection                          | _Ford      |       |
| Type / ref  | EEC V SEFI |       |
| Main jet / needle                                     | _          |       |
| Injection pressure                                    | bar        | 2.7   |
| Pump pressure   | bar        | _     |
| Octane rating   | RON        | 95[U] |

### Ignition system Fiesta 1.4 16V 1995 to 1997

|                                 |                    |                      |
|---------------------------------|--------------------|----------------------|
| Type                            | EEC V              |                      |
| Ignition coil                   | _                  |                      |
| Primary resistance              | ohms               | 0.4 to 0.6           |
| 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 N/A |
| 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                     | _/Champion         |                      |
| Type                            | RE7YCC             |                      |
| Electrode gap                   | mm                 | 1.00                 |

### Electrical system Fiesta 1.4 16V 1995 to 1997

|   |             |   |
|---|-------------|---|
| Battery   | V / CC / RC | _ |
| Alternator voltage / full load current / engine rpm | _           |   |
| Starter motor current / voltage - cranking          | A / V       | _ |
| - locked  | A / V       | _ |

### Running gear Fiesta 1.4 16V 1995 to 1997

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

|                                  |      |           |
|----------------------------------|------|-----------|
| <b>Tyres</b>                     |      |           |
| Saloon                           | Size | 185/55x14 |
| Estate / Van                     | Size | _         |
| Pressure - front / rear - Saloon | bar  | 2.2 / 1.8 |
| - Estate / Van                   | bar  | _         |

### Front suspension / wheel alignment

|                          |                               |       |
|--------------------------|-------------------------------|-------|
| Toe-in (+) / Toe-out (-) | mm [°]                        | 0±1.0 |
| Camber                   | -40'±1°10'. PAS: -37'±1°10'   |       |
| Castor                   | 1°20'±1°15'. PAS: 2°14'±1°15' |       |
| King pin inclination     | _                             |       |

### Rear suspension / wheel alignment

|                          |         |         |
|--------------------------|---------|---------|
| Toe-in (+) / Toe-out (-) | mm [°]  | 2.3±2.0 |
| Camber                   | -1°±70' |         |

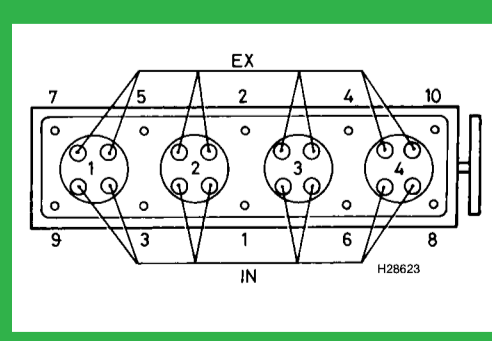
### Torque wrench settings Fiesta 1.4 16V 1995 to 1997

|                         |    |         |
|-------------------------|----|---------|
| Cylinder head - stage 1 | Nm | 15      |
| - stage 2               | Nm | 30      |
| Cylinder head - stage 3 | Nm | +90°    |
| - stage 4               | Nm | _       |
| Big-end bearings        | Nm | 8 + 90° |
| Main bearings           | Nm | WSM     |
| Clutch cover            | Nm | 30      |
| Flywheel [driveplate]   | Nm | 85      |
| Front hubs              | Nm | 270     |
| Rear hubs               | Nm | 270     |
| Wheel nuts / bolts      | Nm | 85      |
| Spark plugs             | Nm | 15      |

### Capacities Fiesta 1.4 16V 1995 to 1997

|                                 |        |     |
|---------------------------------|--------|-----|
| Engine oil & filter             | litres | 4.0 |
| Gearbox - 4-speed [5-speed]     | litres | 2.8 |
| Automatic transmission - refill | litres |     |
| Final drive                     | litres | WT  |
| Cooling system                  | litres | 7.1 |
| Fuel tank                       | litres | 42  |

### Notes and Illustrations



**1388 cm<sup>3</sup>, 16V**