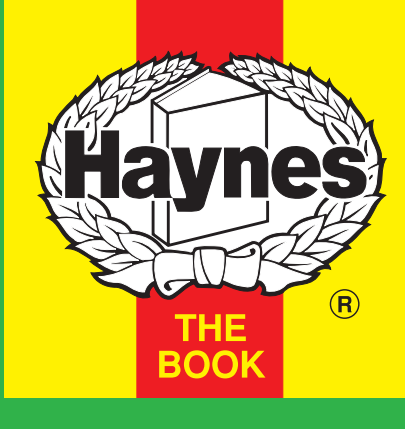


|                  |      |          |            |              |                 |            |                       |
|------------------|------|----------|------------|--------------|-----------------|------------|-----------------------|
| Engine & Cooling | Fuel | Ignition | Electrical | Running 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.

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| MENU | HELP |
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Engine and cooling systemEscort 2.0i & 4x4 CAT1991 to 1997

|                                      |     |                          |
|--------------------------------------|-----|--------------------------|
| Type                                 |     | N7A DOHC 16V 110kW EEC93 |
| Capacity (cm³) / number of cylinders |     | 1998 / 4                 |
| Compression ratio / pressure         | bar | 10.3 / _                 |
| Oil pressure                         | bar | 1.6 [3.1]                |
| Oil temperature                      | °C  | 80                       |
| Valve clearance - inlet              | mm  | 0: Hyd.                  |
| Valve clearance - exhaust            | mm  | 0: Hyd.                  |
| Firing order                         |     | 1-3-4-2                  |
| No 1 cylinder position               |     | TCE                      |
| Thermostat opening temperature       | °C  | 85 to 89                 |
| Radiator cap pressure                | bar | 1.2 to 1.4               |

Fuel systemEscort 2.0i & 4x4 CAT1991 to 1997

|                                           |     |              |
|-------------------------------------------|-----|--------------|
| Idle speed - manual [auto]                | rpm | 950±75       |
| Fast idle speed - manual [auto]           | rpm | _            |
| CO @ idle speed [3000 rpm] - see page VI  | %   | ≤0.5         |
| HC @ idle speed [3000 rpm] - see page VI  | ppm | ≤200         |
| CO2 @ idle speed [3000 rpm] - see page VI | %   | _            |
| O2 @ idle speed [3000 rpm] - see page VI  | %   | _            |
| Carburettor / fuel injection              |     | Ford         |
| Type / ref                                |     | EEC IV / EFI |
| Main jet / needle                         |     | _            |
| Injection pressure                        | bar | 2.7±0.2      |
| Pump pressure                             | bar | ≥3.0         |
| Octane rating                             | RON | 95[U]        |

Ignition systemEscort 2.0i & 4x4 CAT1991 to 1997

|                                                              |                    |                         |
|--------------------------------------------------------------|--------------------|-------------------------|
| Type                                                         |                    | E-DIS 4                 |
| Ignition coil                                                |                    | 2x high output DIS 37kV |
| 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<br>V = Vacuum NV = No Vacuum | ° Crankshaft @ rpm | Computer control        |
| 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                                                  |                    | Motorcraft/Champion     |
| Type                                                         |                    | AGPR22CD1 / C6YCC       |
| Electrode gap                                                | mm                 | 1.00                    |

Electrical systemEscort 2.0i & 4x4 CAT1991 to 1997

|                                                     |             |                                |
|-----------------------------------------------------|-------------|--------------------------------|
| Battery                                             | V / CC / RC | 12 / 360 / 60, 500 / 70,590/90 |
| Alternator voltage / full load current / engine rpm |             | 13.5 / 70 / 3000               |
| Starter motor current / voltage - cranking          | A / V       | _                              |
| - locked                                            | A / V       | _                              |

Running gearEscort 2.0i & 4x4 CAT1991 to 1997

|                                          |    |     |
|------------------------------------------|----|-----|
| Brakes -                                 |    |     |
| Front (min. friction material thickness) | mm | 1.5 |
| Rear (min. friction material thickness)  | mm | 1.5 |

|                                  |      |           |
|----------------------------------|------|-----------|
| Tyres                            |      |           |
| Saloon                           | Size | 195/50x15 |
| Estate / Van                     | Size | _         |
| Pressure - front / rear - Saloon | bar  | 2.0 / 1.8 |
| - Estate / Van                   | bar  | _         |

|                                    |        |                             |
|------------------------------------|--------|-----------------------------|
| Front suspension / wheel alignment |        |                             |
| Toe-in (+) / Toe-out (-)           | mm [°] | 0±1.0                       |
| Camber                             |        | -15'±1°20'. 4x4: -18'±1°20' |
| Castor                             |        | 0±1°15'. 4x4: +8'±1°15'     |
| King pin inclination               |        | _                           |

|                                   |        |                             |
|-----------------------------------|--------|-----------------------------|
| Rear suspension / wheel alignment |        |                             |
| Toe-in (+) / Toe-out (-)          | mm [°] | +2.0±2.0¹                   |
| Camber                            |        | -1°+30'-1°. 4x4: -41'±1°15' |

Torque wrench settingsEscort 2.0i & 4x4 CAT1991 to 1997

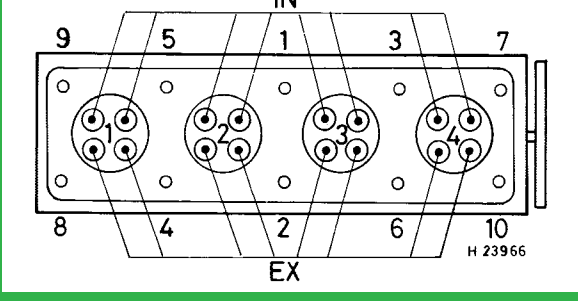
|                         |    |              |
|-------------------------|----|--------------|
| Cylinder head - stage 1 | Nm | 40           |
| - stage 2               | Nm | 55           |
| Cylinder head - stage 3 | Nm | + 90° + 90°  |
| - stage 4               | Nm | M8: 36 to 39 |
| Big-end bearings        | Nm | 6 to 8²      |
| Main bearings           | Nm | 90 to 104    |
| Clutch cover            | Nm | 25 to 34     |
| Flywheel [driveplate]   | Nm | 82 to 92     |
| Front hubs              | Nm | 220 to 250   |
| Rear hubs               | Nm | 250 to 270³  |
| Wheel nuts / bolts      | Nm | 70 to 100    |
| Spark plugs             | Nm | 17 to 33     |

CapacitiesEscort 2.0i & 4x4 CAT1991 to 1997

|                                 |        |                    |
|---------------------------------|--------|--------------------|
| Engine oil & filter             | litres | 4.5                |
| Gearbox - 4-speed [5-speed]     | litres | 2.6. Transfer: 0.3 |
| Automatic transmission - refill | litres | _                  |
| Final drive                     | litres | WT                 |
| Cooling system                  | litres | 7.3                |
| Fuel tank                       | litres | 55                 |

Notes and Illustrations

¹4x4: +1.0±1.0  
²Then 15 to 17 + 85 to 95°  
³4x4: 220



1998 cm³, DOHC 16V