Engine & **Fuel** Ignition Cooling

Electrical

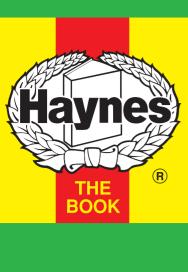
Running gear

Torque settings

Capacities

Notes & Illustrations

1993 to 1997



## Automotive Technical

return to this screen and make another choice, click anywhere on the data screen. **MENU HELP** 4 / 4, 1.8i CAT 1993 to 1997

Click on one of the buttons above to view data for this car. To

Ford Zetec 16V US83 89kW

4 / 4, 1.8i CAT

1796 / 4

10.0 /

0: Hyd.

0: Hyd.

1-3-4-2

85 to 89

900±50

≤0.5

≤200

Bosch

2.1±0.2

3.0

95[U]

Ford EEC IV / SEFI

Distributorless

 $0.50 \pm 0.05$ 

High output DIS

4 / 4, 1.8i CAT

10 BTDC @ 900±50N/A

Computer control

Computer control

Computer control

4 / 4, 1.8i CAT

Motorcraft

AYRF22PP

12 / 35Ah

1.30

**TBE** 

0.90

80

[3.0 to 4.0]

bar

bar

 $^{\circ}C$ 

mm

mm

°C

bar

rpm

rpm

ppm

%

%

%

bar

bar

RON

ohms

ohms

٧

mm ° (%)

μF

mbar

1993 to 1997

## Oil pressure Oil temperature Valve clearance - inlet

**Engine and cooling system** 

Capacity (cm<sup>3</sup>) / number of cylinders

Compression ratio / pressure

clearance - exhaust Firing order No 1 cylinder position

Thermostat opening temperature

Radiator cap pressure Fuel system Idle speed - manual [auto] Fast idle speed - manual [auto] CO @ idle speed [3000 rpm] - see page VI

HC @ idle speed [3000 rpm] - see page VI CO2 @ idle speed [3000 rpm] - see page VI O2 @ idle speed [3000 rpm] - see page VI Carburettor / fuel injection Type / ref Main jet / needle

Injection pressure Pump pressure Octane rating **Ignition system** Type

Ignition coil Primary resistance Ballast resistor

Voltage - Tmnl 15(+) to earth Distributor Points gap (air gap) Dwell angle Condenser capacity Rotation

Ignition timing - basic [static V = Vacuum NV = No Vacuum Total ignition advance Centrifugal check.

Vacuum range check Spark plugs Type Electrode gap

**Battery** Running gear

Brakes -Front (min. friction material thickness) **Tyres** Saloon

Estate / Van Front suspension / wheel alignment Toe-in (+) / Toe-out (-)

Camber Castor King pin inclination Toe-in (+) / Toe-out (-) Camber

**Torque wrench settings** - stage 2

- stage 4

Main bearings Clutch cover Flywheel [driveplate]

Front hubs Rear hubs Wheel nuts / bolts

Spark plugs

Final drive

Fuel tank

**Capacities** 

Engine oil & filter

Cooling system

Gearbox - 4-speed [5-speed]

Automatic transmission - refill

**Notes and Illustrations** 

Cylinder head - stage 1 Cylinder head - stage 3 Big-end bearings

Rear suspension / wheel alignment

Rear (min. friction material thickness) Pressure - front / rear - Saloon - Estate / Van

Alternator voltage / full load current / engine rpm Starter motor current / voltage - cranking

**Electrical system** 

Maximum vacuum advance ° Crankshaft

mm

V / CC / RC A/V A/V - locked

° Crankshaft @ rpm

° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm

mm

mm

Size

Size

bar

bar

mm [°]

mm [°]

Nm Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

litres

litres

litres

litres

litres

litres

13.7 to 14.6 / 45 / 3000

4 / 4, 1.8i CAT 1.5 3.0

165x15: 195/60x15 1.5 / 1.5

0 to +3.0

+4° N/A

20 to 30 N

+ 90 to 120°

 $15 \text{ to } 20 + 90^{\circ}$ 

40 to 50

70 to 90

25 to 34

14 to 20

4.25

1.9

1.0

50

12.5

**WSM** 

107 to 117

+2°

0 0

+2°. 195/60x15: -0.5°

4 / 4, 1.8i CAT

4 / 4, 1.8i CAT 1993 to 1997

9 EX 1796 cm<sup>3</sup>

IN

IN

10

IN