

Engine &

Cooling



Ignition

Electrical

Running

gear

Torque

settings

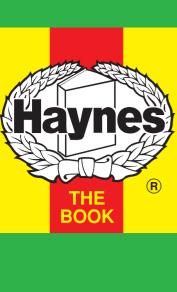
Capacities Illustrations

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.

1996 to 1997

Z3 1.8

Notes &



Fuel

Automotive Technical

MENU Z3 1.8

1996 to 1997

HELP

Engine and cooling system Capacity (cm3) / number of cylinders Compression ratio / pressure Oil pressure Oil temperature Valve clearance - inlet clearance - exhaust Firing order No 1 cylinder position

Fuel system

Idle speed - manual [auto]

Carburettor / fuel injection

Main jet / needle Injection pressure

Ignition system

Primary resistance

Points gap (air gap)

Condenser capacity

Centrifugal check.

Vacuum range check

Electrode gap

Running gear

Saloon

Camber Castor

Camber

Big-end bearings

Flywheel [driveplate]

Wheel nuts / bolts

Main bearings

Clutch cover

Front hubs

Rear hubs

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

Estate / Van

Electrical system

Voltage - Tmnl 15(+) to earth

V = Vacuum NV = No Vacuum

Maximum vacuum advance

Alternator voltage / full load current / engine rpm

Front (min. friction material thickness)

Rear (min. friction material thickness)

Pressure - front / rear - Saloon

Front suspension / wheel alignment

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)

King pin inclination

Toe-in (+) / Toe-out (-)

Torque wrench settings

- stage 2

- stage 4

locked

- Estate / Van

Starter motor current / voltage - cranking

Ballast resistor

Dwell angle

Rotation

Spark plugs Type

Battery

Brakes -

Tyres

Type / ref

Pump pressure

Octane rating

Fast idle speed - manual [auto]

Thermostat opening temperature Radiator cap pressure

CO @ idle speed [3000 rpm] - see page VI

HC @ idle speed [3000 rpm] - see page VI

O2 @ idle speed [3000 rpm] - see page VI

CO2 @ idle speed [3000 rpm] - see page VI

bar bar $^{\circ}C$ mm mm °C

bar

rpm

rpm

ppm

%

% %

bar

bar

RON

ohms

ohms

٧

mm

μF

° (%)

mbar

mm

A/V

A/V

mm

mm

Size

Size

bar

bar

mm [°]

mm [°]

Nm

litres

litres

litres

litres

litres

litres

^o Crankshaft

V/CC/RC

° Crankshaft @ rpm

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

° Crankshaft @ rpm ° Crankshaft @ rpm ° Crankshaft @ rpm 85kW 1796 / 4 80 0: Hyd. 0: Hyd. 1-3-4-2 **TCE** 95

900±50

≤0.5 N/A

Bosch

BMS 43

3.0

0.8

95[U]

Direct electronic

≤200

 $9.7 / \ge 10.0$ $\geq 0.5 [4.3]$ 1.4

Z3 1.8

Z3 1.8

Z3 1.8

Z3 1.8

Z3 1.8

Z3 1.8

1996 to 1997

Ignition coil Distributor Ignition timing - basic [static Total ignition advance

Type

12 / 70Ah

_ / 80 / _

205/60x15

Refer to vehicle

3.0

3.0

30 N

+90°

+90°

5, 20+70°

20+50°

34

120

290

250

4.0

1.1

1.1

6.4

51

100±10

30 to 33