

Engine &

Cooling

Fuel Ignition

Electrical

Running

gear

Torque

settings

Capacities

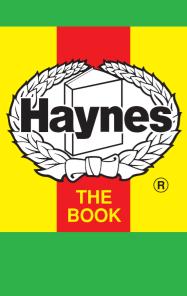
1996 to 1997

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.

Z3 1.9

Notes &

Illustrations



Automotive Technical

MENU Z3 1.9 M44 B19 DOHC 16V 103kW

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

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

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

Type / ref

Pump pressure

Octane rating

Ignition coil

Distributor

Type

Fast idle speed - manual [auto]

No 1 cylinder position Thermostat opening temperature Radiator cap pressure **Fuel system**

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 1895 / 4 80 0: Hyd. 0: Hyd. 1-3-4-2

95

1.4

900±50

≤0.3 N/A

Bosch

3.0

0.8

95[U]

DME M5.2-Motronic

Direct electronic

Z3 1.9

Z3 1.9

Z3 1.9

Z3 1.9

Z3 1.9

12 / 70Ah

_ / 80 / _

3.0

3.0

30

+90°

+90°

5, 20+70°

20+50°

34

120

290

250

5.0

1.0

1.0

6.6

51

100±10

205/60x15

Refer to vehicle

1996 to 1997

1996 to 1997

1996 to 1997

1996 to 1997

≤200

10.0 / ≥10.0 $\geq 0.5 / 4.3$

Z3 1.9

1996 to 1997

1996 to 1997

Ignition timing - basic [static

Total ignition advance Spark plugs

Type

Battery

Brakes -

Tyres

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