Engine &

Cooling

Fuel Ignition

Electrical

gear

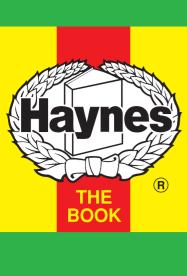
Running

Torque Capacities settings

1994 to 1997

Notes &

Illustrations



Automotive Technical

make another choice, click anywhere on the data screen. **MENU HELP** 1994 to 1997 A8, 4.2

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

A8, 4.2

A8, 4.2

1994 to 1997

ABZ 220kW

10.8 / >7.5

1.0 to 2.5 [3.0 to 5.0]

1-5-4-8-6-3-7-2

720 to 800 N/A

2500 to 2800

 $\leq 0.5 [\leq 0.3]$

≤200

Bosch

Motronic

3.0 to 3.6

Direct electronic

Computer control N/A

Computer control

Computer control

Computer control

A8, 4.2

A8, 4.2

A8, 4.2

A8, 4.2

NGK

BUR6-EFSZ

1 per cylinder

4.2

95[U]

4172 / 8

0: Hyd.

0: Hyd.

87 to 102

1.2 to 1.5

PER

80

bar

bar

°C

mm

mm

°C

bar

rpm

rpm

ppm

%

% %

bar

bar

RON

ohms

ohms

٧

mm

μF

° (%)

Oil temperature Valve clearance - inlet clearance - exhaust

Engine and cooling system

Capacity (cm3) / number of cylinders

Compression ratio / pressure

Oil pressure

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 coil Ballast resistor Dwell angle

Centrifugal check.

Type Electrode gap **Electrical system Battery**

Running gear Brakes -Front (min. friction material thickness) Rear (min. friction material thickness) **Tyres**

Camber Castor King pin inclination Rear suspension / wheel alignment Toe-in (+) / Toe-out (-)

Camber

Clutch cover Flywheel [driveplate]

Front hubs Rear hubs Wheel nuts / bolts Spark plugs **Capacities**

Gearbox - 4-speed [5-speed]

Automatic transmission - refill

Notes and Illustrations

Engine oil & filter

Cooling system

Final drive

Fuel tank

Cylinder head - stage 1 - stage 2 Cylinder head - stage 3 - stage 4 Big-end bearings Main bearings

Torque wrench settings

Saloon Estate / Van Pressure - front / rear - Saloon - Estate / Van Front suspension / wheel alignment Toe-in (+) / Toe-out (-)

Vacuum range check

Condenser capacity Rotation ° Crankshaft @ rpm V = Vacuum NV = No Vacuum ° Crankshaft @ rpm

Distributor Points gap (air gap) Ignition timing - basic [static Total ignition advance

Voltage - Tmnl 15(+) to earth

Primary resistance

Ignition system

Type

° Crankshaft @ rpm Maximum vacuum advance ° Crankshaft Spark plugs

- locked

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

mm V/CC/RC

A/V

Size

Size

bar

bar

mm [°]

mm [°]

Nm Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

litres

litres

litres

litres

litres

litres

mbar

A/V

mm mm

3.0

7.0 with backing 225/60x16: 225/55x17 2.2 / 2.2

 $[+15'\pm5']$ PW

-30'±30' PW

 $[+6'\pm5']$ PW

-40'±30' PW

40 N

+90°

+90°

 $60 + 90^{\circ}$

 $200 + 90^{\circ}$

200 + 90°

120

30

7.5

3.0

Front: 0.7. Rear: 1.5

60

4172 cm³