Engine & Fuel Ignition Cooling

Electrical

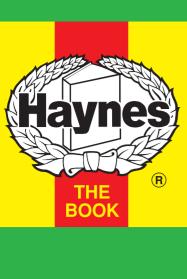
Running Torque gear

settings

Capacities

Notes & Illustrations

1997



Automotive Technical

return to this screen and make another choice, click anywhere on the data screen. **MENU HELP** Picnic 2.0

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

3S-FE DOHC 16V 96EC 94kW

1998 / 4

 $9.5 / \ge 9.5$

80

0.3 (2.5 to 5.0)

0.19 to 0.29

0.28 to 0.38

1-3-4-2

80 to 84

0.7 to 1.03

700±50 N/A

≤0.5 N/A

_Toyota

2.7 to 3.1

0.36 to 0.65

Computer control

Picnic 2.0

95[U]

DIS

MPI

≤200

TBE

bar

bar

 $^{\circ}C$

mm

mm

°C

bar

rpm

rpm

ppm

%

%

%

bar

bar

RON

ohms

ohms

٧

mm ° (%)

μF

1997

Compression ratio / pressure	
Oil pressure	
Oil temperature	

Capacity (cm³) / number of cylinders

Engine and cooling system

Valve clearance - inlet - 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

Distributor Dwell angle

Voltage - Tmnl 15(+) to earth Points gap (air gap) Rotation

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

Vacuum range check Maximum vacuum advance Spark plugs

Type Electrode gap **Electrical system**

Battery Starter motor current / voltage - cranking Running gear Brakes -

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

Front suspension / wheel alignment Toe-in (+) / Toe-out (-) Camber Castor

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

Torque wrench settings Cylinder head - stage 1

Big-end bearings Main bearings Clutch cover

Flywheel [driveplate] Front hubs Rear hubs Wheel nuts / bolts Spark plugs **Capacities**

Engine oil & filter

Final drive

Cooling system Fuel tank **Notes and Illustrations**

Gearbox - 4-speed [5-speed]

Automatic transmission - refill

- stage 2

- stage 3

- stage 4

° Crankshaft @ rpm

- Estate / Van

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

° Crankshaft @ rpm mbar ° Crankshaft mm

V/CC/RC Alternator voltage / full load current / engine rpm A/V A/V - locked

Computer control Computer control Nippon Denso/NGK K20R-U11 / BKR6EYA11 1.10

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

195/65x14 Refer to vehicle

Picnic 2.0

Picnic 2.0

Picnic 2.0 Picnic 2.0 1997

10° BTDC @ 700±50

Picnic 2.0

1997

1997

1997

1997

1997

IN

2 EX

1998 cm3 16V

29

49

59

19

18

3.9

WT

60

5.8 A/T: 5.7

+90°

25 +90°

88 (83)