1987 to 1992

Engine & **Fuel** Ignition Cooling

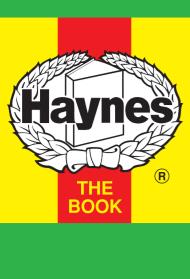
Electrical

Running gear

Torque settings Capacities

Notes &

Illustrations



Automotive Technical

return to this screen and make another choice, click anywhere on the data screen. **MENU HELP** Corolla 1.6 Exec. (AE92) 1987 to 1992

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

4A-F (DOHC 16V)

Oil pressure Oil temperature

Capacity (cm³) / number of cylinders

Compression ratio / pressure

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 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.

Spark plugs Type Electrode gap **Electrical system Battery**

Vacuum range check

Maximum vacuum advance

Alternator voltage / full load current / engine rpm

locked

- Estate / Van

Starter motor current / voltage - cranking

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

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

Saloon

Tyres

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

Camber

Torque wrench settings Cylinder head - stage 1 - stage 2 - stage 3

Big-end bearings Main bearings Clutch cover Flywheel [driveplate] Front hubs

- stage 4

Spark plugs **Capacities** Engine oil & filter

Wheel nuts / bolts

Rear hubs

Final drive

Fuel tank

Cooling system

490 **►**: +4.0±2.0

Notes and Illustrations ¹Distributor 19020-16110: 0.4 to 3.4 @ 1800, 16 to 19 @ 3700, 26.4 to 30.4 @ 6600 ²Distributor 19020-16110: 133 to 573 @ 20 to 24° ³90 ▶: +1.0±2.0

⁵If noisy, retighten to 273

Gearbox - 4-speed [5-speed]

Automatic transmission - refill

1587 cm³, 16V, to 1992

Engine and cooling system

1587 / 4 $9.5 / \ge 9.8$ [2.5 to 5.0] 80 0.15 to 0.25 0.20 to 0.30

bar °C mm mm °C

bar

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

° Crankshaft

V/CC/RC

° Crankshaft @ rpm

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

° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm

1-3-4-2 **TBE**

80 to 84 0.74 to 1.03 Corolla 1.6 Exec. (AE92)

800 [800. PAS: 900] 3000±200 1.0 to 2.5. 90 ▶: 1.0 to 2.0 ≤1200

Aisan 2V, 21100-16300

95[E 95 RON]

Corolla 1.6 Exec. (AE92)

Electronic

1.3 to 1.5 [0.20 to 0.40]

10 BTDC @ 900 NV 0 to 3 @ 1600¹ 11.4 to 14.4 @ 3300¹

19.4 to 23.4 @ 6600¹ 133 to 560² 13 to 17² NGK/Champion BCRE 527Y / RC9YCC 0.80 Corolla 1.6 Exec. (AE92)

12 / 50Ah 13.5 to 15.1 / _ / 3000

1.0

175/70x13

1.8 / 1.8

 $+1.0\pm1.0^{3}$

+12°40′±45′

Corolla 1.6 Exec. (AE92)

60 in several stages

+4.0±1.0⁴

-35'±45'

49

60

19

78 [64]

186⁵

WSM

103 18

3.3

2.6

2.5

50

AT: 1.4

-10'±45' +1°20±45′

Corolla 1.6 Exec. (AE92) 1.0

1987 to 1992

Corolla 1.6 Exec. (AE92) 1987 to 1992 5.2 [AT: 5.5]

H.19439

2: CO / Mixture

1587 cm³, 4A-F

1: Idle speed

Aisan 2V