Engine &

Cooling

Fuel

Ignition

Electrical

gear

Running

settings

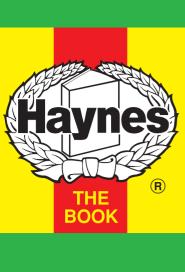
Torque

Capacities

Notes &

Illustrations

1989 to 1992



Automotive Technical

make another choice, click anywhere on the data screen. **MENU HELP** 1989 to 1992

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

Compression ratio / pressure Oil pressure

Capacity (cm³) / number of cylinders

Oil temperature Valve clearance - inlet clearance - 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. Vacuum range check Maximum vacuum advance Spark plugs

Type

Electrode gap **Electrical system Battery** Alternator voltage / full load current / engine rpm 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

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

Front suspension / wheel alignment

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

Camber

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

- stage 4

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

Front hubs Rear hubs Wheel nuts / bolts Spark plugs

Capacities Engine oil & filter Gearbox - 4-speed [5-speed] Automatic transmission - refill Final drive

Cooling system

Fuel tank

11 hole shaft: 262

Notes and Illustrations

1275 cm³

Engine and cooling system

bar

bar

°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 Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

Nm

litres

litres

litres

litres

litres

litres

^o Crankshaft

V / CC / RC

locked

- Estate / Van

° Crankshaft @ rpm

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

° Crankshaft @ rpm

° Crankshaft @ rpm

° Crankshaft @ rpm

12H E48

1275 / 4

9.4 / _

1.0 [4.1]

1-3-4-2

[800±50]

[1000±50]

1.5 to 3.0

≤1200

SU

0.4

NV

HIF44

TCE

1.04

88

Metro 1.3 AT

0.27 to 0.33 0.27 to 0.33 Metro 1.3 AT 0.100 / BEJ

1989 to 1992 97[E 95 RON]

1989 to 1992

Metro 1.3 AT Electronic **GCL 143** 0.78 ± 0.08 Lucas $[0.20\pm0.05]$ **Anticlockwise** 5±1 BTDC @ 1500

-1 to +4 @ 1000 6 to 10 @ 3000 17.5 to 22 @ 6500 102 to 406 24 Unipart/Champion GSP4362 / N9YC 0.85 ± 0.05 Metro 1.3 AT 1989 to 1992

12 / _ 14.0 / _ / 3000 75 / 12 (no load) 380 / 7.0 Metro 1.3 AT 1989 to 1992 3.0 1.6

160/65 R315 2.0 / 1.8

+2°6′±2° +10°38' [+10' to +50']-1°±30′ Metro 1.3 AT

1989 to 1992

1989 to 1992

[0 to -25']

38 lightly oiled

Bolts: 50. Nuts: 45

Centre bolt: 152 2 hole shaft: 2711

Metro 1.3 AT

 $0 \pm 30'$

75

85

88

57

25

5.1

4.8

33

With engine

With engine

SU HIF

1275 cm³

16 12

2: CO / Mixture

1: Idle speed