1987 to 1990

Engine & Ignition Electrical **Fuel** Cooling

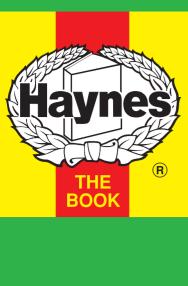
Running gear

settings

Torque

Capacities

Notes & Illustrations



Automotive Technical

return to this screen and make another choice, click anywhere on the data screen. **MENU HELP** 33, 1.5 1987 to 1990

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

Compression ratio / pressure Oil pressure Oil temperature

Engine and cooling system

Capacity (cm³) / number of cylinders

Valve clearance - inlet learance - 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

Starter motor current / voltage - cranking Running gear Brakes -Front (min. friction material thickness)

Alternator voltage / full load current / engine rpm

Rear (min. friction material thickness)

- locked

- Estate / Van

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

- 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

Fuel tank

Cooling system

²M: 200 to 373 ³Warm engine, cool, slacken, oil, and retorque bolts in sequence shown to stage 4. No.7: 20 to 24

Notes and Illustrations

¹[E 95 RON]: ignition - 3°. [E 98 RON].Engine no. 30588 ▶: [E95 RON]

1490 cm³

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

litres

litres

litres

litres

litres

litres

° Crankshaft

V / CC / RC

° Crankshaft @ rpm

° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm

° Crankshaft @ rpm ° Crankshaft @ rpm

° Crankshaft @ rpm

305 SOHC

1490 / 4

9.5 / 10.3

1.2 to 2.8

0.35 to 0.40

0.45 to 0.50

90

FR

0.69

≤0.5

≤300

Weber

36 IDF

1-3-2-4 84 to 88 33, 1.5 850 to 1000

145, 145 0.18 to 0.30 98[RA]¹ 33, 1.5 Electronic

Bosch. Marelli 0.7 to 1.0 Bosch/Marelli [0.40 to 0.50]

Clockwise

NV 36±1 BTDC @ 4500 (2nd mark) 0 @ 500 to 600 28 @ 3500 to 3600 B: 240 to 3732 Lodge/Champion

25HL / N6YCC

Champion: 0.80

8±1 BTDC @ 900 (1st mark)

33, 1.5 12 / 45Ah 13.8 to 14.4 / _ / 4000 200 to 230 / 9.8 to 10.0 380 to 400 / 8.0 33, 1.5

7.0 with backing 0.50 175/70x13

1.8 / 1.6 -4.0±2.0

-1°±30′ +2°±30′

-2.0±1.0 0±25'

33, 1.5

33, 1.5

29 oiled

81 to 87

81 to 873

43 to 48

15 to 23

WSM

WSM

4.0

2.6

WT

7.3

50

64 to 78 25 to 34

66 to 73 oiled

94 to 105 oiled

58

1: Idle speed



2: CO / Mixture

