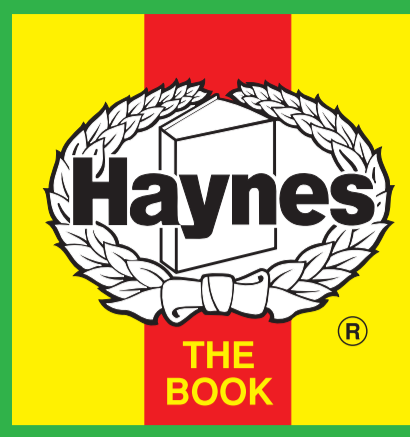


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

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HELP

## Engine and cooling system 400, 1.7i & CAT 1986 to 1990

Type		B18E(D)(S)-104/105. SOHC. 80kW
Capacity (cm <sup>3</sup> ) / number of cylinders		1721 / 4
Compression ratio / pressure	bar	10.5 / ≥11.0
Oil pressure	bar	2.0 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20±0.05
- exhaust	mm	0.40±0.05
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	92
Radiator cap pressure	bar	1.5

## Fuel system 400, 1.7i & CAT 1986 to 1990

Idle speed - manual [auto]	rpm	800±50 A/C: 900±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.5 to 2.0
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Bendix
Type / ref		Fenix 1 or 3.2
Main jet / needle		—
Injection pressure	bar	2.3 to 2.4
Pump pressure	bar	2.5
Octane rating	RON	98[E 95 RON]

## Ignition system 400, 1.7i & CAT 1986 to 1990

Type		Fenix
Ignition coil		Fenix S 100 620
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Fenix
Points gap (air gap)	mm	—
Dwell angle	° (%)	Electronic control
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	<sup>1</sup>
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	Not adjustable
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		AC/Champion
Type		CR41CXLS / RN7YC
Electrode gap	mm	0.70 to 0.80

## Electrical system 400, 1.7i & CAT 1986 to 1990

Battery	V / CC / RC	12 / 55Ah
Alternator voltage / full load current / engine rpm		14.0 to 15.0 / 70 / 2500
Starter motor current / voltage - cranking	A / V	200 to 275 / 9.0
- locked	A / V	390 to 480 / 6.0

## Running gear 400, 1.7i & CAT 1986 to 1990

### Brakes -

Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0

### Tyres

Saloon	Size	185/60x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.1 / 1.9
- Estate / Van	bar	—

### Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0 to +2.0
Camber		0±30' N/A <sup>2</sup>
Castor		+4°16'±30' N/A <sup>3</sup>
King pin inclination		+13°15'±30'

### Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+2.5 to 4.5 <sup>4</sup>
Camber		-1°

## Torque wrench settings 400, 1.7i & CAT 1986 to 1990

Cylinder head - stage 1	Nm	30
- stage 2	Nm	70
- stage 3	Nm	Slacken, then 20
- stage 4	Nm	+ 123±2°
Big-end bearings	Nm	45
Main bearings	Nm	65
Clutch cover	Nm	22
Flywheel [driveplate]	Nm	53 N
Front hubs	Nm	230
Rear hubs	Nm	180
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

## Capacities 400, 1.7i & CAT 1986 to 1990

Engine oil & filter	litres	5.3
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	3.3
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	48

## Notes and Illustrations

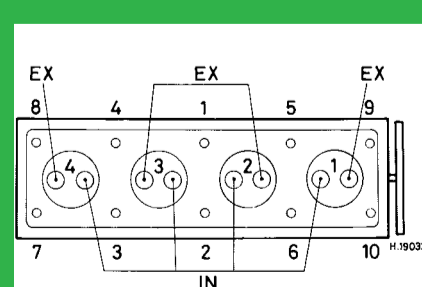
<sup>1</sup>Fenix 3.2 control unit: 8±3 BTDC @ 800. Fenix 1 units no. 40-43-05/06/43/44 with black sensor cable: 16±3 BTDC @ 800. Others with black cable: 12±3 BTDC @ 800. Units 40-43-05/06/43/44 with yellow sensor cable: 12±3 BTDC @ 800. Others with yellow cable: 8±3 BTDC @ 800

<sup>2</sup>Chassis no. 520382 ▶: -30'±30' N/A

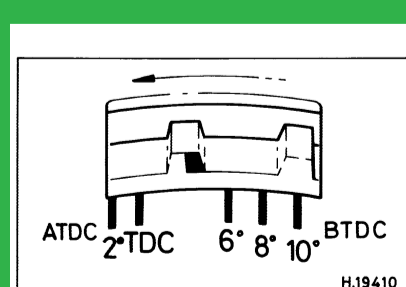
<sup>3</sup>Chassis no. 520382 ▶: +3°20'±30' N/A

<sup>4</sup>Chassis no. 510750 ▶: +3.0 to 5.0

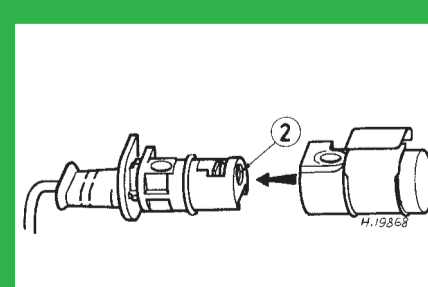
1: Idle speed 2: CO / Mixture



1721 cm<sup>3</sup>



1721 cm<sup>3</sup>



Bendix Fenix 1 / 3.2