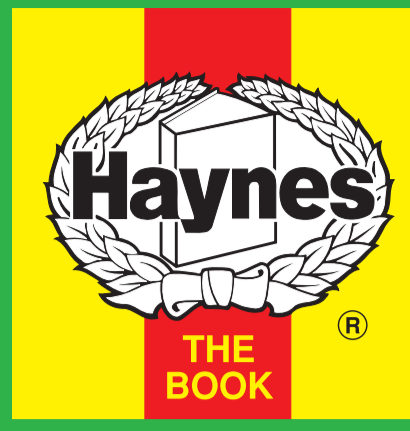


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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# Automotive Technical DATA BOOK

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, 2.0i CAT 1993 to 1996

Type	B20F-116/118 SOHC 8V. 81kW	
Capacity (cm <sup>3</sup> ) / number of cylinders	1998 / 4	
Compression ratio / pressure	bar	9.5 / _
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, 2.0i CAT 1993 to 1996

Idle speed - manual [auto]	rpm	730 to 830
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	0.2 to 1.0 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
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	_Siemens Bendix	
Type / ref	Fenix 3B. MPFI	
Main jet / needle	_	
Injection pressure	bar	2.85 to 2.90
Pump pressure	bar	3.00
Octane rating	RON	95[U]

## Ignition system 400, 2.0i CAT 1993 to 1996

Type	Fenix 3B	
Ignition coil	F3-A	
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	Computer control
V = Vacuum NV = No Vacuum	_	
Total ignition advance	° Crankshaft @ rpm	Computer control
	° 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	Bosch/Champion	
Type	WR9DS / RN9YC	
Electrode gap	mm	0.70 to 0.80

## Electrical system 400, 2.0i CAT 1993 to 1996

Battery	V / CC / RC	12 / 55, 60Ah
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, 2.0i CAT 1993 to 1996

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0

## Tyres

Saloon	Size	175/65x14: 185/60x14:185/65x14
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	-24'±30'. 480: -30'±30' N/A	
Castor	+4°6'±30'. 480: +3°20'±30' N/A	
King pin inclination	+13°15'±30' N/A	

## Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+3.0 to 5.0
Camber	-1°	

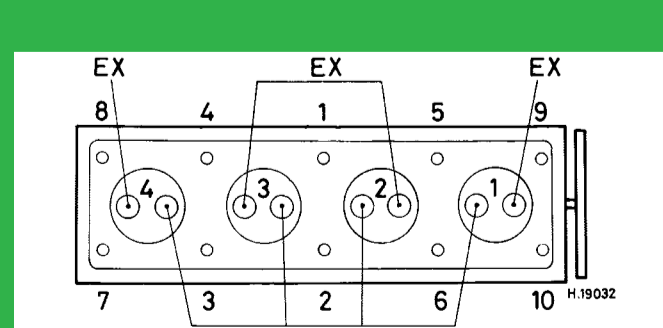
## Torque wrench settings 400, 2.0i CAT 1993 to 1996

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, 2.0i CAT 1993 to 1996

Engine oil & filter	litres	5.0. 94 ▶: 5.7
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	60

## Notes and Illustrations

1998 cm<sup>3</sup>