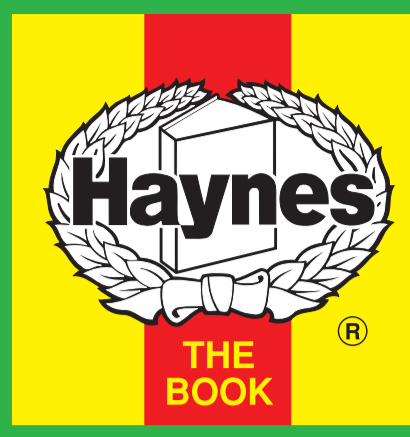


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
------------------	------	----------	------------	--------------	-----------------	------------	-----------------------



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.

MENU

HELP

Engine and cooling system 400 Turbo & CAT 1988 to 1996

Type		B18FT(M)-107. SOHC 8V. 90kW ¹
Capacity (cm ³) / number of cylinders		1721 / 4
Compression ratio / pressure	bar	8.1 / ≥12.0
Oil pressure	bar	2.0 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20±0.05
- exhaust	mm	0.50±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 Turbo & CAT 1988 to 1996

Idle speed - manual [auto]	rpm	850±50 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.5 to 2.0. CAT: 0.4 to 0.8
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200. CAT: ≤300
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Bosch
Type / ref		LH2.2-Jetronic + Turbo
Main jet / needle		—
Injection pressure	bar	3.3 to 3.4
Pump pressure	bar	3.5
Octane rating	RON	98[E 95 RON] ²

Ignition system 400 Turbo & CAT 1988 to 1996

Type		EZ 210K
Ignition coil		TZ61-2
Primary resistance	ohms	0.72
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	—
Dwell angle	° (%)	Electronic control
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	8±3 BTDC @ 800 N/A
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	35±3 BTDC @ 2500 N/A
	° 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		Champion
Type		RN6YC
Electrode gap	mm	0.70

Electrical system 400 Turbo & CAT 1988 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 Turbo & CAT 1988 to 1996

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0
Tyres		
Saloon	Size	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 Turbo & CAT 1988 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

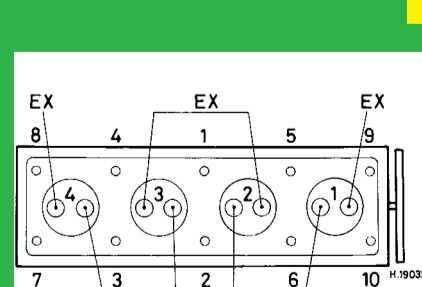
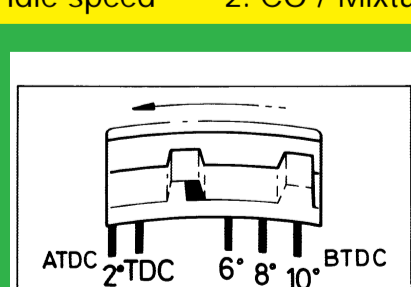
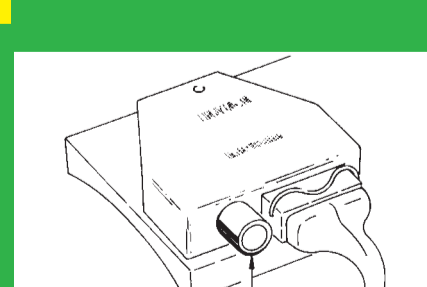
Capacities 400 Turbo & CAT 1988 to 1996

Engine oil & filter	litres	5.3. 93 to 94: 5.0. 94 ▶: 4.6
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. 91 ▶: 60

Notes and Illustrations

¹Later: 88kW²CAT: 95 [U]

1: Idle speed 2: CO / Mixture

1721 cm³1721 cm³

LH2.2-Jetronic