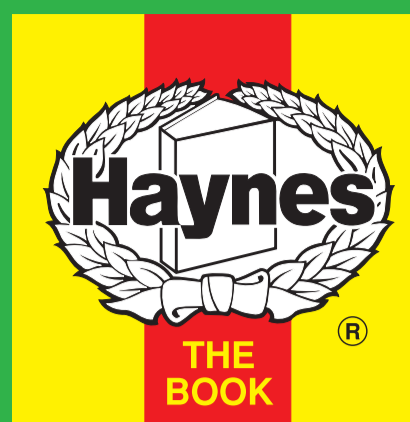


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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.

MENU

HELP

Engine and cooling system 740 & 760 Turbo CAT 1989 to 1992

Type	B230FT. SOHC 8V. 121kW	
Capacity (cm ³) / number of cylinders	2316 / 4	
Compression ratio / pressure	bar	8.7 / ≥8.8
Oil pressure	bar	[2.5 to 8.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.30 to 0.40
- exhaust	mm	0.30 to 0.40
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	87 to 97 or 92 to 102
Radiator cap pressure	bar	1.5

Fuel system 740 & 760 Turbo CAT 1989 to 1992

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.6±0.2 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Bosch	
Type / ref	LH2.4-Jetronic	
Main jet / needle	—	
Injection pressure	bar	2.9
Pump pressure	bar	1.9 to 3.0
Octane rating	RON	95[U]

Ignition system 740 & 760 Turbo CAT 1989 to 1992

Type	EZ 116K	
Ignition coil	Bosch	
Primary resistance	ohms	0.6 to 0.9
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Bosch	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	12 BTDC @ 750±50
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	Bosch/Champion	
Type	WR7DC / RN7YC	
Electrode gap	mm	0.70 to 0.80

Electrical system 740 & 760 Turbo CAT 1989 to 1992

Battery	V / CC / RC	12 / 450 / 90. 91 ▶: Various
Alternator voltage / full load current / engine rpm	13.8 to 14.6 / _ / 3000	
Starter motor current / voltage - cranking	A / V	1.1kW: 70 / 11.5 ¹
- locked	A / V	1.1kW: 480 to 560 / 7.4 ²

Running gear 740 & 760 Turbo CAT 1989 to 1992

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0

Tyres		
Saloon	Size	195/60x15
Estate / Van	Size	195/60x15: 185/65x15
Pressure - front / rear - Saloon	bar	760: 2.0 / 1.9 ³
- Estate / Van	bar	1.9 / 2.1

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	740: +3.5±1.0 ⁴
Camber	-0.2° to +0.8°	
Castor	+4.5° to 5.5°	
King pin inclination	—	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+2.0±3.0
Camber	WSM	

Torque wrench settings 740 & 760 Turbo CAT 1989 to 1992

Cylinder head - stage 1	Nm	20
- stage 2	Nm	60
- stage 3	Nm	+ 90°
- stage 4	Nm	—
Big-end bearings	Nm	20 + 90°
Main bearings	Nm	110
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	70 N
Front hubs	Nm	100 + 45°
Rear hubs	Nm	30 + 90° ⁵
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	25

Capacities 740 & 760 Turbo CAT 1989 to 1992

Engine oil & filter	litres	3.85. Oil cooler: +0.6
Gearbox - 4-speed [5-speed]	litres	2.3
Automatic transmission - refill	litres	2.0
Final drive	litres	1.6
Cooling system	litres	8.5
Fuel tank	litres	60, 80

Notes and Illustrations

¹1.4kW: 75 / 11.5. 2kW: 65 to 95 / 11.5. Hitachi: 300 / 8.8

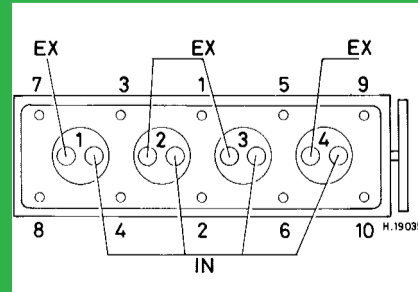
²1.4kW: 625 to 800 / 4.5. 2kW: 700 to 880 / 4.5. Hitachi: 880 / 3

³740: 1.9 / 1.9

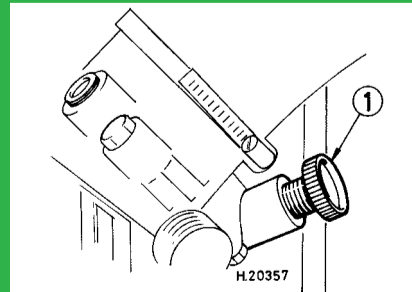
⁴760: +4.0±0.8

⁵Estate: WSM

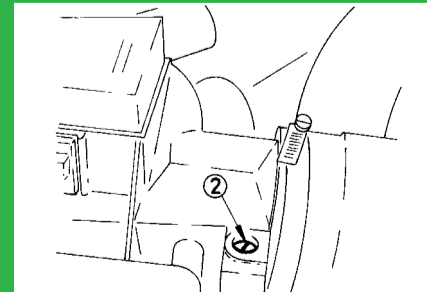
1: Idle speed 2: CO / Mixture



2316 cm³, 8V



LH2.4-Jetronic



LH2.4-Jetronic