

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

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HELP

Engine and cooling system 760, 2.8i CAT 1989 to 1990

Type		B280F. 108kW
Capacity (cm ³) / number of cylinders		2849 / 6
Compression ratio / pressure	bar	9.5 / ≥7.9
Oil pressure	bar	0.98 [3.9]
Oil temperature	°C	H
Valve clearance - inlet	mm	0.10 to 0.15
- exhaust	mm	0.25 to 0.30
Firing order		1-6-3-5-2-4
No 1 cylinder position		RL
Thermostat opening temperature	°C	86 to 88
Radiator cap pressure	bar	1.5

Fuel system 760, 2.8i CAT 1989 to 1990

Idle speed - manual [auto]	rpm	750
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.6±0.4
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		LH-Jetronic 2.2
Main jet / needle		—
Injection pressure	bar	2.5
Pump pressure	bar	1.9 to 3.0
Octane rating	RON	95[U]

Ignition system 760, 2.8i CAT 1989 to 1990

Type		EZ 115K
Ignition coil		Bosch
Primary resistance	ohms	0.6 to 0.8
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch
Points gap (air gap)	mm	[0.30]
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	16 BTDC @ 730 to 770
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	Not adjustable, EZK system
	° 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		HR5DC / RS9YC
Electrode gap	mm	0.60 to 0.70

Electrical system 760, 2.8i CAT 1989 to 1990

Battery	V / CC / RC	12 / 450 / 90
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 760, 2.8i CAT 1989 to 1990

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	2.0 / 1.9
- Estate / Van	bar	1.9 / 2.1

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+4.0±0.8
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 760, 2.8i CAT 1989 to 1990

Cylinder head - stage 1	Nm	60 ³
- stage 2	Nm	Loosen, then 20 ³
- stage 3	Nm	+ 106° ³
- stage 4	Nm	Warm up & cool, + 45° ³
Big-end bearings	Nm	No. 1 bolt: 25 ⁴
Main bearings	Nm	30 ⁵
Clutch cover	Nm	—
Flywheel [driveplate]	Nm	45 to 50 N
Front hubs	Nm	100 + 45°
Rear hubs	Nm	30 + 90° ⁶
Wheel nuts / bolts	Nm	85
Spark plugs	Nm	12

Capacities 760, 2.8i CAT 1989 to 1990

Engine oil & filter	litres	6.5
Gearbox - 4-speed [5-speed]	litres	—
Automatic transmission - refill	litres	3.9
Final drive	litres	1.6
Cooling system	litres	10.0
Fuel tank	litres	80. Estate: 60

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 800 / 4.5. Hitachi: 880 / 3.0

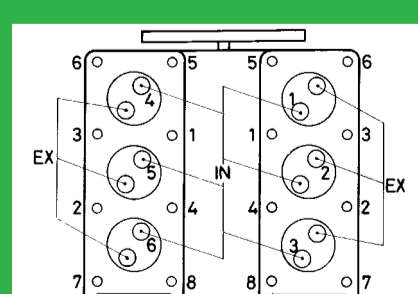
³90 ►: fixed washer bolts: 60, slacken, 40 +160 to 180°

⁴No. 2 bolt: 25 + 75°. No. 1: + 75°. 1 & 2: 50

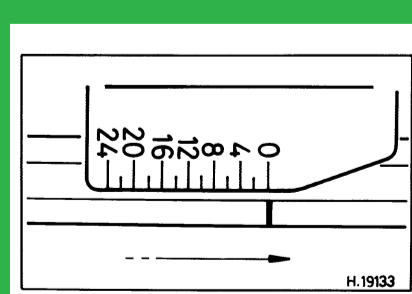
⁵Loosen, then 30 to 35 + 73 to 77° WSM

⁶Estate: WSM

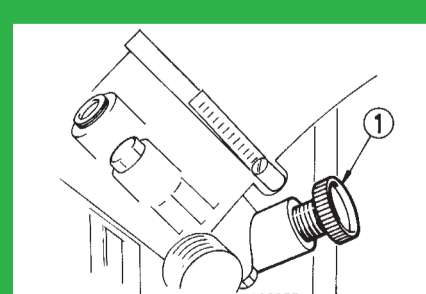
1: Idle speed 2: CO / Mixture



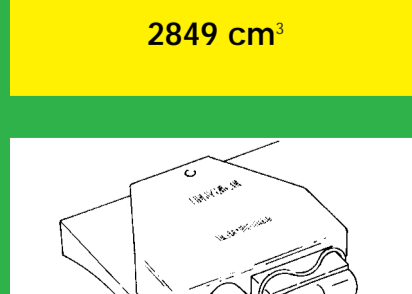
2849 cm³



2849 cm³



LH2.2-Jetronic



LH2.2-Jetronic