

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 260SE & CAT (126.020) 1989 to 1992

Type		103.941 KE 122kW Cat: 118kW
Capacity (cm ³) / number of cylinders		2599 / 6
Compression ratio / pressure	bar	9.2 / ≥8.5
Oil pressure	bar	0.3 [3.0]
Oil temperature	°C	–
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-5-3-6-2-4
No 1 cylinder position		F
Thermostat opening temperature	°C	87±2
Radiator cap pressure	bar	1.4±0.1

Fuel system 260SE & CAT (126.020) 1989 to 1992

Idle speed - manual [auto]	rpm	650 to 750
Fast idle speed - manual [auto]	rpm	–
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5. CAT: ≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	–
O ₂ @ idle speed [3000 rpm] - see page VI	%	–
Carburettor / fuel injection		Bosch
Type / ref		CIS-E (KE-Jetronic)
Main jet / needle		–
Injection pressure	bar	3.7 to 4.3
Pump pressure	bar	5.3 to 5.5
Octane rating	RON	95[E 95 RON] ¹

Ignition system 260SE & CAT (126.020) 1989 to 1992

Type		EZL
Ignition coil		Bosch
Primary resistance	ohms	0.3 to 0.6
Ballast resistor	ohms	–
Voltage - Tmnl 15(+) to earth	V	Battery
Distributor		Bosch
Points gap (air gap)	mm	–
Dwell angle	° (%)	1 to 30 @ starter speed
Condenser capacity	µF	–
Rotation		–
Ignition timing - basic [static	° Crankshaft @ rpm	25 to 29 BTDC @ 3200
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	7 to 11 BTDC @ idle
	° Crankshaft @ rpm	40 to 44 BTDC @ 3200
	° 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		H7DCO / S10YCC
Electrode gap	mm	0.80

Electrical system 260SE & CAT (126.020) 1989 to 1992

Battery	V / CC / RC	12 / 190 / 62 or 280 / 92Ah
Alternator voltage / full load current / engine rpm		14.0 / 80 / 2490
Starter motor current / voltage - cranking	A / V	95 / 11.5 (no load)
- locked	A / V	650 to 840 / 3.8

Running gear 260SE & CAT (126.020) 1989 to 1992

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

Tyres		
Saloon	Size	205/65x15
Estate / Van	Size	–
Pressure - front / rear - Saloon	bar	2.1 / 2.3
- Estate / Van	bar	–

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+25'±10']
Camber		0+10'-20'
Castor		+10°15'±30'
King pin inclination		–

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	[+25+10'-15']
Camber		-1°45'±30'

Torque wrench settings 260SE & CAT (126.020) 1989 to 1992

Cylinder head - stage 1	Nm	70
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	–
Big-end bearings	Nm	30 + 90 to 100°
Main bearings	Nm	55 + 90 to 100°
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	30 + 90 to 100°
Front hubs	Nm	WSM
Rear hubs	Nm	–
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	20

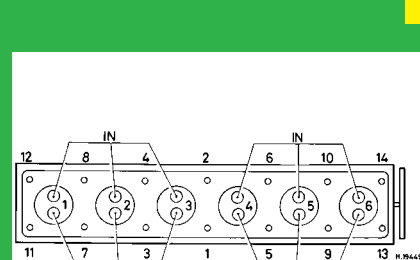
Capacities 260SE & CAT (126.020) 1989 to 1992

Engine oil & filter	litres	6.0
Gearbox - 4-speed [5-speed]	litres	1.5
Automatic transmission - refill	litres	6.0
Final drive	litres	1.0
Cooling system	litres	8.0
Fuel tank	litres	90

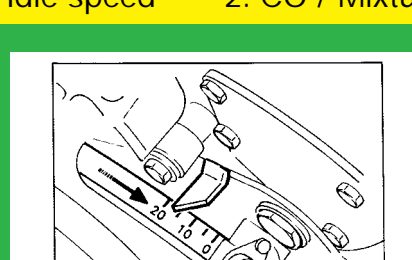
Notes and Illustrations

¹CAT: [U]

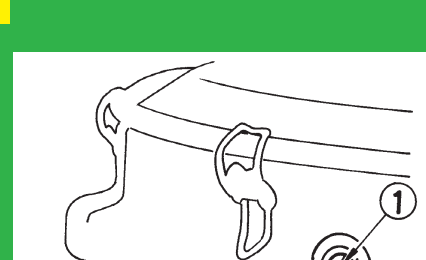
1: Idle speed 2: CO / Mixture



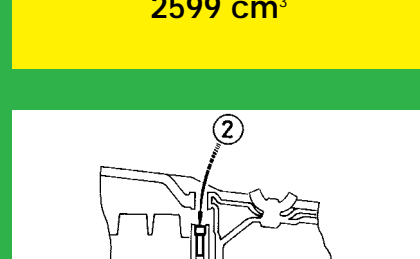
2599 cm³



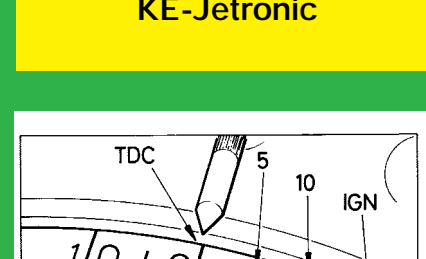
2599 cm³



KE-Jetronic



KE-Jetronic



2599 cm³, alternative