Haynes THE BOOK

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 — 260E & CAT (124.026/007) — 1985 to 1993

Type		103.940 KE 122kW Cat: 118kW
Capacity (cm³) / number of cylinders		2599 / 6
Compression ratio / pressure	bar	9.2 / ≥8.5
Oil pressure	bar	0.3 [3.0]
Oil temperature	ºC	_
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	ºC	87±2
Radiator cap pressure	bar	1.2±0.1

Fuel system — 260E & CAT (124.026/007) — 1985 to 1993

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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		CIS-E (KE-Jetronic)
Main jet / needle		_
Injection pressure	bar	≥3.0. 9.88 ▶: 3.2
Pump pressure	bar	5.3 to 5.5
Octane rating	RON	95[E 95 RON][1]

Ignition system — 260E & CAT (124.026/007) — 1985 to 1993

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	º (%)	1 to 30 @ starter speed
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	º Crankshaft @ rpm	25 to 29 BTDC @ 3200
V = Vacuum NV = No Vacuum		NV
Total ignition advance	º Crankshaft @ rpm	7 to 11 BTDC @ idle
	º Crankshaft @ rpm	40 to 44 @ 3200
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	º Crankshaft	_
Spark plugs		Bosch/Champion
Type		H7DC / S9YC
Electrode gap	mm	0.80

Electrical system — 260E & CAT (124.026/007) — 1985 to 1993

Battery	V / CC / RC	12 / 190 / 62Ah
Alternator voltage / full load current / engine rpm		13.0 to 14.5 / 70 / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	650 to 840 / 3.8

Running gear — 260E & CAT (124.026/007) — 1985 to 1993

Brakes -		
Front (min. friction material thickness)	mm	3.5
Rear (min. friction material thickness)	mm	2.0
Tyres		
Saloon	Size	195/65x15: 205/60x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+20'±10']
Camber		-5'+10'-20'[2]
Castor		+10°10'±30'[3]
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+20' to 35']
Camber		-1°30'±30'

Torque wrench settings — 260E & CAT (124.026/007) — 1985 to 1993

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°[4]
Front hubs	Nm	WSM
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	20

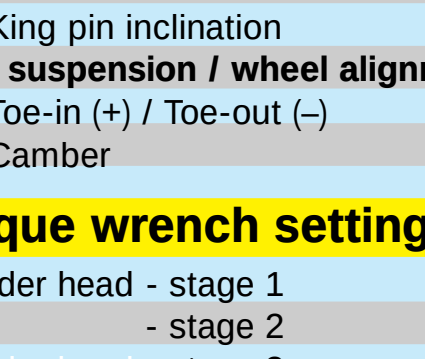
Capacities — 260E & CAT (124.026/007) — 1985 to 1993

Engine oil & filter	litres	6.0
Gearbox - 4-speed [5-speed]	litres	1.5
Automatic transmission - refill	litres	6.0
Final drive	litres	1.1
Cooling system	litres	9.0. A/c: 9.5
Fuel tank	litres	70

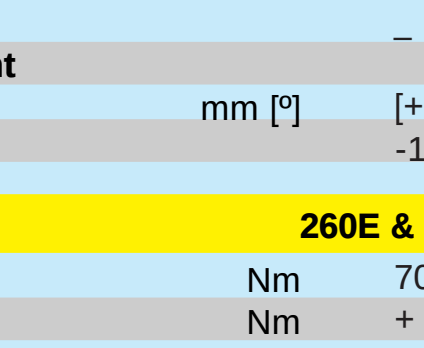
Notes and Illustrations

[1]**CAT: [U]**
[2]**89 ▶: -25'+10'-20'. Sport: -50'+10'-20'**
[3]**89 ▶: +10°25'±30'. Sport: +10°40'±30'**
[4]**9.89 ▶, dual mass flywheel: 40 +90 to 100°**

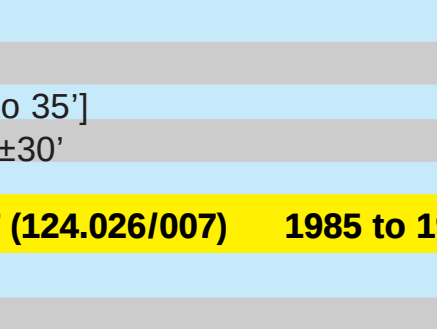
1: Idle speed 2: CO / Mixture



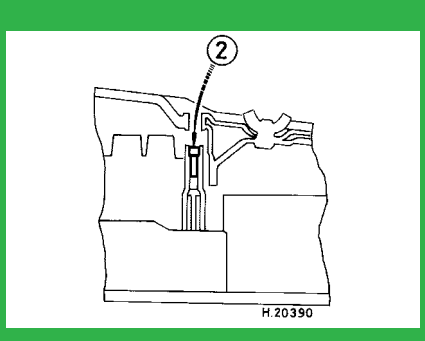
2599 cm³



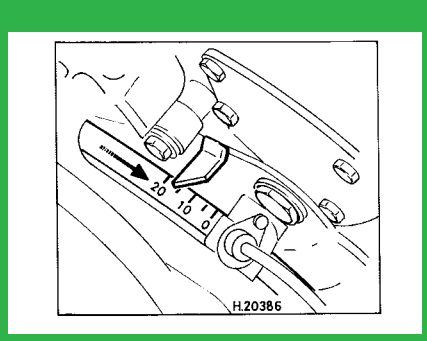
2599 cm³, alternative



KE-Jetronic



KE-Jetronic



2599 cm³