

MERCEDES-BENZ

260E 4-Matic & CAT (124.226)

1988 to 1992

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			260E 4-Matic & CAT (124.226)	1988 to 1992
Type			103.943 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		°C	90	
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	1.2±0.1	
Fuel system			260E 4-Matic & CAT (124.226)	1988 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	
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	3.7 to 4.3	
Pump pressure		bar	5.3 to 5.5	
Octane rating		RON	95[E 95 RON] ¹	
Ignition system			260E 4-Matic & CAT (124.226)	1988 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	7 to 11 BTDC @ idle	
V = Vacuum NV = No Vacuum			NV	
Total ignition advance		° Crankshaft @ rpm	—	
		° Crankshaft @ rpm	40 to 44 @ 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			H7DC / S9YC	
Electrode gap		mm	0.80	
Electrical system			260E 4-Matic & CAT (124.226)	1988 to 1992
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	95 / 11.5 (no load)	
- locked		A / V	650 to 840 / 3.8	
Running gear			260E 4-Matic & CAT (124.226)	1988 to 1992
Brakes -				
Front (min. friction material thickness)		mm	3.5	
Rear (min. friction material thickness)		mm	2.0	
Tyres				
Saloon		Size	195/65x15	
Estate / Van		Size	—	
Pressure - front / rear - Saloon		bar	2.4 / 2.4	
- Estate / Van		bar	—	
Front suspension / wheel alignment				
Toe-in (+) / Toe-out (–)		mm [°]	[+20'±10']	
Camber			-15'+10'-20'	
Castor			+10°20'±30'	
King pin inclination			—	
Rear suspension / wheel alignment				
Toe-in (+) / Toe-out (–)		mm [°]	[+25'+10'-5']	
Camber			-1°30'±30'	
Torque wrench settings			260E 4-Matic & CAT (124.226)	1988 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° ²	
Front hubs		Nm	280	
Rear hubs		Nm	200 to 240	
Wheel nuts / bolts		Nm	110	
Spark plugs		Nm	20	
Capacities			260E 4-Matic & CAT (124.226)	1988 to 1992
Engine oil & filter		litres	6.5	
Gearbox - 4-speed [5-speed]		litres	1.5 ³	
Automatic transmission - refill		litres	6.2	
Final drive		litres	Rear: 1.1 ⁴	
Cooling system		litres	9.0. A/c: 9.5	
Fuel tank		litres	70	

Notes and Illustrations

¹CAT: [U]

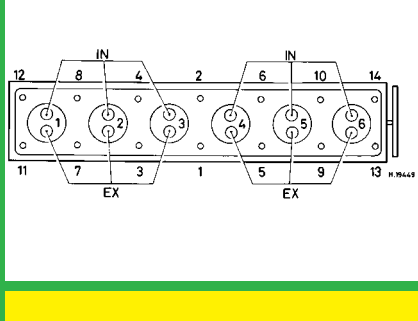
²9.89 ►, dual mass flywheel: 40 + 90 to 100°

³Transfer box: 0.6

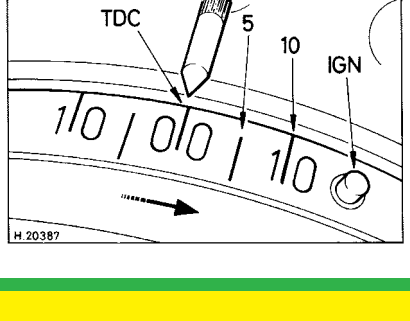
⁴Front: 1.0

1: Idle speed

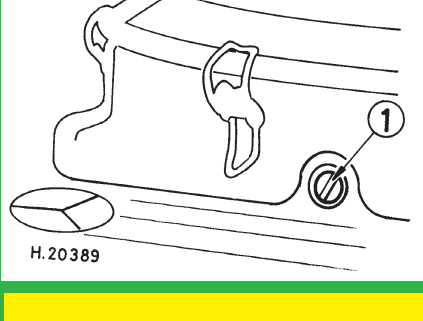
2: CO / Mixture



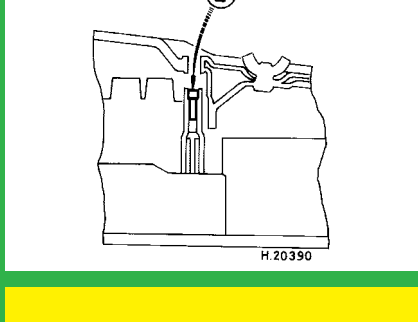
2599 cm³



2599 cm³, alternative



KE-Jetronic



KE-Jetronic



2599 cm³