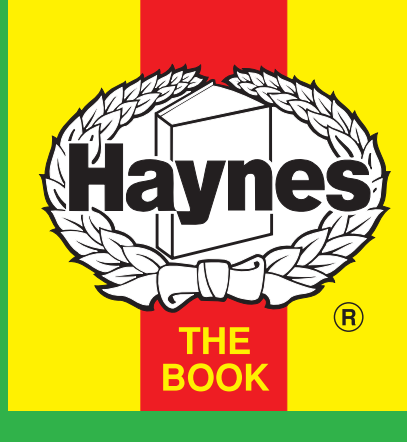


MERCEDES-BENZ

SL500 (129.067)

1993 to 1997



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

SL500 (129.067)

1993 to 1997

type		119.972 DOHC 32V 235kW
Capacity (cm ³) / number of cylinders		4973 / 8
Compression ratio / pressure	bar	10.0 / 13.5 to 15.5
Oil pressure	bar	0.3 [3.0 @ 3000rpm]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-5-4-8-6-3-7-2
No 1 cylinder position		FR
Thermostat opening temperature	°C	87±2
Radiator cap pressure	bar	1.10±0.10

Fuel system

SL500 (129.067)

1993 to 1997

Idle speed - manual [auto]	rpm	600 to 750
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		— Bosch
Type / ref		LH-Jetronic
Main jet / needle		—
Injection pressure	bar	3.7 to 4.2
Pump pressure	bar	—
Octane rating	RON	95[11]

Ignition system

SL500 (129.067)

1993 to 1997

Type		EZL
Ignition coil		Bosch
Primary resistance	ohms	0.3 to 0.6
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	Battery
Distributor		—
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		—
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum		—
Total ignition advance	° Crankshaft @ rpm	Computer control
	° 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		F8DCO / C10YCC
Electrode gap	mm	0.80

Electrical system

SL500 (129.067)

1993 to 1997

Battery	V / CC / RC	12 / 92Ah
Alternator voltage / full load current / engine rpm		13 to 14.5 / 100 / 1950
Starter motor current / voltage - cranking	A / V	95/11.5

Running gear

SL 500 (130.063)

1003 to 1007

Routine

Brakes -			
Front (min. friction material thickness)	mm	2.5	
Rear (min. friction material thickness)	mm	2.5	

Tyros

Saloon	Size	225/55x16
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.5 / 2.7

Front suspension / wheel alignment

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+20'±10']
Camber		-50'±10'
Castor		10°27' ± 30'
King pin inclination		

Rear suspension / wheel alignment

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

Torque wrench settings

SL 500 (130-063)

1993 to 1997

Torque wrench settings		SL500 (129.067)	1993 to 1997
Cylinder head - stage 1	Nm	55 ¹	
- stage 2	Nm	+ 90°	
Cylinder head - stage 3	Nm	+ 90°	
- stage 4	Nm	—	
Big-end bearings	Nm	45, + 90 to 100°	
Main bearings	Nm	WSM	
Clutch cover	Nm	25	
Flywheel [driveplate]	Nm	35, + 90 to 100°	
Front hubs	Nm	WSM	
Rear hubs	Nm	200 to 240	
Wheel nuts / bolts	Nm	110	
Spark plugs	Nm	20	

Capacities

SI 500 (129 067)

1993 to 1997

Capacities		SE500 (129.007)	1993 to 1997
Engine oil & filter	litres	8.0	
Gearbox - 4-speed [5-speed]	litres	—	
Automatic transmission - refill	litres	7.7	
Final drive	litres	1.4	
Cooling system	litres	15.0	
Fuel tank	litres	80	

Notes and Illustrations

¹Bolts marked “a” on diagram: 25