

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 928 GTS 1992 to 1996

Type	M28/49 [AT: M28/50] 257kW	
Capacity (cm <sup>3</sup> ) / number of cylinders	5397 / 8	
Compression ratio / pressure	bar	10.4 / _
Oil pressure	bar	[≥5.0]
Oil temperature	°C	80 to 100
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order	1-3-7-2-6-5-4-8	
No 1 cylinder position	FR	
Thermostat opening temperature	°C	81 to 85
Radiator cap pressure	bar	1.0

### Fuel system 928 GTS 1992 to 1996

Idle speed - manual [auto]	rpm	675±25
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	0.4 to 1.2
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Bosch	
Type / ref	LH-Jetronic	
Main jet / needle	_	
Injection pressure	bar	_
Pump pressure	bar	3.8±0.2
Octane rating	RON	98[U]

### Ignition system 928 GTS 1992 to 1996

Type	EZK	
Ignition coil	2x Bosch	
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	10±2 BTDC @ 675±25 N/A
Total ignition advance	° Crankshaft @ rpm	_
	° 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	
Type	WR7DTC	
Electrode gap	mm	0.80

### Electrical system 928 GTS 1992 to 1996

Battery	V / CC / RC	12 / 75Ah
Alternator voltage / full load current / engine rpm	_ / 115 / _	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

### Running gear 928 GTS 1992 to 1996

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0
<b>Tyres</b>		
Saloon	Size	225/45x17: 255/40x17
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.5 / 2.5
- Estate / Van	bar	_
<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	[+15'±5']
Camber		-30'±10'
Castor		+4°+1°
King pin inclination		_
<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	[+10'±5'] PW
Camber		-40'±10'

### Torque wrench settings 928 GTS 1992 to 1996

Cylinder head - stage 1	Nm	20 <sup>1</sup>
- stage 2	Nm	50 <sup>1</sup>
Cylinder head - stage 3	Nm	90 <sup>1</sup>
- stage 4	Nm	_
Big-end bearings	Nm	80
Main bearings	Nm	WSM
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	_
Front hubs	Nm	_
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	130
Spark plugs	Nm	30

### Capacities 928 GTS 1992 to 1996

Engine oil & filter	litres	7.5
Gearbox - 4-speed [5-speed]	litres	4.8
Automatic transmission - refill	litres	9.3
Final drive	litres	WT. AT: 1.9
Cooling system	litres	16.0
Fuel tank	litres	86

### Notes and Illustrations

<sup>1</sup>Gold studs: 20, + 90° + 90°