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

928 S4 & GT CAT 1990 to 1993

Type		M28/47. M28/42
Capacity (cm³) / number of cylinders		4957 / 8
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	[5.0]
Oil temperature	ºC	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	ºC	81 to 85
Radiator cap pressure	bar	1.0

Fuel system

928 S4 & GT CAT 1990 to 1993

Idle speed - manual [auto]	rpm	775 [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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bosch
Type / ref		LH-Jetronic, with DME
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	3.8±0.2
Octane rating	RON	95[U]

Ignition system

928 S4 & GT CAT 1990 to 1993

Type		DME Motronic
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	º (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	º Crankshaft @ rpm	10±2 BTDC @ 700
V = Vacuum NV = No Vacuum		_
Total ignition advance	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
	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		WR7DC / RN9YCC
Electrode gap	mm	0.80

Electrical system

928 S4 & GT CAT 1990 to 1993

Battery	V / CC / RC	12 / 72Ah
Alternator voltage / full load current / engine rpm		14.0 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

928 S4 & GT CAT 1990 to 1993

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0
Tyres		
Saloon	Size	225/50x16:225/60x16: 245/45x16
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.5 / 3.0
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+15'±5']
Camber		-30'±10'
Castor		+4°30'±30'
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+10'±5'] PW
Camber		-40'±10'

Torque wrench settings

928 S4 & GT CAT 1990 to 1993

Cylinder head - stage 1	Nm	20[1]
- stage 2	Nm	50[1]
Cylinder head - stage 3	Nm	90[1]
- 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 S4 & GT CAT 1990 to 1993

Engine oil & filter	litres	7.5
Gearbox - 4-speed [5-speed]	litres	4.5
Automatic transmission - refill	litres	7.3
Final drive	litres	WT
Cooling system	litres	16.0
Fuel tank	litres	86

Notes and Illustrations

[1]**Gold studs: 20, + 90° + 90°**