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

		928 GT	1989 to 1990
Type		M28/47	
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 GT	1989 to 1990
Idle speed - manual [auto]	rpm	775	
Fast idle speed - manual [auto]	rpm	_	
CO @ idle speed [3000 rpm] - see page VI	%	0.5 to 1.5	
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		LH-Jetronic	
Main jet / needle		_	
Injection pressure	bar	_	
Pump pressure	bar	3.8±0.2	
Octane rating	RON	95[E 95 RON]	

Ignition system

		928 GT	1989 to 1990
Type		Computerized	
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 GT	1989 to 1990
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 GT	1989 to 1990
Brakes -			
Front (min. friction material thickness)	mm	2.0	
Rear (min. friction material thickness)	mm	2.0	
Tyres			
Saloon	Size	225/50x16: 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		+3°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 GT	1989 to 1990
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 GT	1989 to 1990
Engine oil & filter	litres	7.5	
Gearbox - 4-speed [5-speed]	litres	4.5	
Automatic transmission - refill	litres	_	
Final drive	litres	WT	
Cooling system	litres	16.0	
Fuel tank	litres	86	

Notes and Illustrations

[1]**Gold studs: 20, + 90° + 90°**