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 — 911 Turbo CAT — 1990 to 1993

Type		M30/69 235kW
Capacity (cm³) / number of cylinders		3299 / 6
Compression ratio / pressure	bar	7.0 / _
Oil pressure	bar	[4.5]
Oil temperature	ºC	80 to 100
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.10
Firing order		1-6-2-4-3-5
No 1 cylinder position		PEL
Thermostat opening temperature	ºC	_
Radiator cap pressure	bar	_

Fuel system — 911 Turbo CAT — 1990 to 1993

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	0.8±0.2 (lambda off)
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 K-Jetronic + Turbo
Main jet / needle		_
Injection pressure	bar	2.7 to 3.1
Pump pressure	bar	6.0 to 6.7
Octane rating	RON	95[U]

Ignition system — 911 Turbo CAT — 1990 to 1993

Type		DME Motronic
Ignition coil		Bosch
Primary resistance	ohms	0.4 to 0.7
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	0±3 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
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
Type		WR4DPO
Electrode gap	mm	0.60

Electrical system — 911 Turbo CAT — 1990 to 1993

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

Running gear — 911 Turbo CAT — 1990 to 1993

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0
Tyres		
Saloon	Size	205/55x17: 255/40x17
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.5 / 2.5
- Estate / Van	bar	_
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+25'±5']
Camber		0±10'
Castor		+4°25'±15'
King pin inclination		_
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+15'±5'] PW
Camber		-45'±10'

Torque wrench settings — 911 Turbo CAT — 1990 to 1993

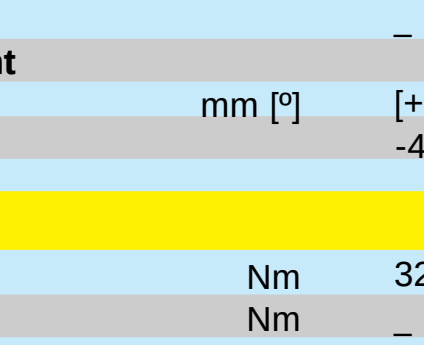
Cylinder head - stage 1	Nm	32
- stage 2	Nm	_
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	50 to 55
Main bearings	Nm	Crankcase: 35
Clutch cover	Nm	20 to 25
Flywheel [driveplate]	Nm	90
Front hubs	Nm	WSM
Rear hubs	Nm	Castle nut: 310[1]
Wheel nuts / bolts	Nm	130
Spark plugs	Nm	25 to 30

Capacities — 911 Turbo CAT — 1990 to 1993

Engine oil & filter	litres	10.0
Gearbox - 4-speed [5-speed]	litres	3.7
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	_
Fuel tank	litres	85

Notes and Illustrations

[1]**Self-locking nut: 460**



3299 cm³