

# Automotive Technical DATA BOOK

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HELP

## Engine and cooling system

900 Turbo 1994 to 1997

Type	B202i DOHC 16V turbo 142kW	
Capacity (cm <sup>3</sup> ) / number of cylinders	1985 / 4	
Compression ratio / pressure	bar	9.2 / ≥10.0
Oil pressure	bar	[2.7]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
- exhaust	mm	0: Hyd.
Firing order	1-3-4-2	
No 1 cylinder position	TCE	
Thermostat opening temperature	°C	87 to 91
Radiator cap pressure	bar	0.9 to 1.2

## Fuel system

900 Turbo 1994 to 1997

Idle speed - manual [auto]	rpm	900±50 N/A
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
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	≥14.0
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection	Saab	
Type / ref	Trionic	
Main jet / needle	—	
Injection pressure	bar	—
Pump pressure	bar	—
Octane rating	RON	95[U]

## Ignition system

900 Turbo 1994 to 1997

Type	Direct electronic	
Ignition coil	—	
Primary resistance	ohms	—
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	—	
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation	—	
Ignition timing - basic [static V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	Computer control N/A
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	NGK/Champion	
Type	BCP5EV / C7GY	
Electrode gap	mm	0.60

## Electrical system

900 Turbo 1994 to 1997

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm	13.9 to 14.8 / 70 / 2500	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

## Running gear

900 Turbo 1994 to 1997

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	4.0
Rear (min. friction material thickness)	mm	4.0

<b>Tyres</b>		
Saloon	Size	195/60x15: 205/50x16
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.2 / 2.2. 205/50: 2.3 / 2.3
- Estate / Van	bar	—

## Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	1.5±0.5
Camber	-0°30'±20'	
Castor	2°08'±20'	
King pin inclination	13°18'	

## Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	1.0±2.0
Camber	-2°12'	

## Torque wrench settings

900 Turbo 1994 to 1997

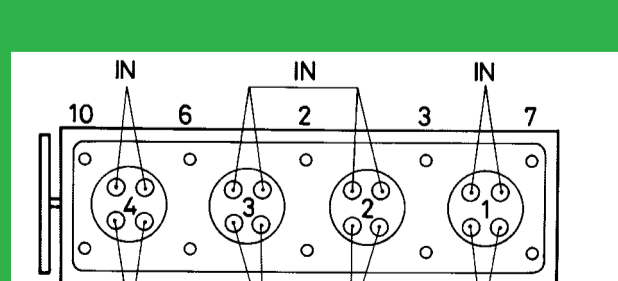
Cylinder head - stage 1	Nm	60
- stage 2	Nm	80
- stage 3	Nm	Warm up, then cool, slacken
- stage 4	Nm	80 + 90°
Big-end bearings	Nm	55
Main bearings	Nm	110
Clutch cover	Nm	22±2
Flywheel [driveplate]	Nm	60
Front hubs	Nm	290
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	90 to 110
Spark plugs	Nm	25 to 29

## Capacities

900 Turbo 1994 to 1997

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	—
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	8.5
Fuel tank	litres	68

## Notes and Illustrations

1985 cm<sup>3</sup>, 16V