

Engine & Cooling

Fuel

Ignition

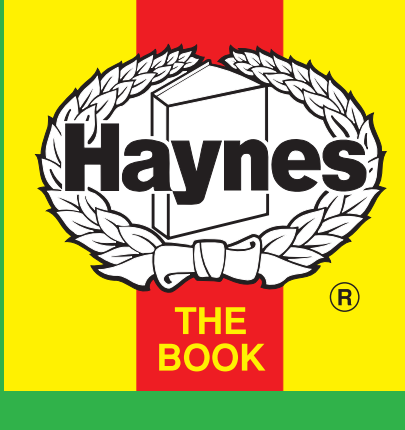
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



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 system9000 2.0 Turbo Intercooler1994 to 1997

Type		B204L DOHC 16V Turbo I/C 136kW
Capacity (cm ³) / number of cylinders		1985 / 4
Compression ratio / pressure	bar	9.2 /
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	89±2
Radiator cap pressure	bar	0.9 to 1.2

Fuel system9000 2.0 Turbo Intercooler1994 to 1997

Idle speed - manual [auto]	rpm	850±75
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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		_Saab
Type / ref		Trionic
Main jet / needle		—
Injection pressure	bar	3.0+0.25-0.15
Pump pressure	bar	—
Octane rating	RON	91[U]

Ignition system9000 2.0 Turbo Intercooler1994 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	° Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum		—
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
Type		BCPR7ES
Electrode gap	mm	1.0+0.1-0.2

Electrical system9000 2.0 Turbo Intercooler1994 to 1997

Battery	V / CC / RC	12 / 60Ah
Alternator voltage / full load current / engine rpm		13.9 to 14.8 / 70, 80 / 2500
Starter motor current / voltage - cranking	A / V	315 / 9.0
- locked	A / V	650 to 750 / 4.0

Running gear9000 2.0 Turbo Intercooler1994 to 1997

Brakes -		
Front (min. friction material thickness)	mm	4.0
Rear (min. friction material thickness)	mm	4.0

Tyres		
Saloon	Size	195/65x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.1 / 2.1
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	1.5±0.5
Camber		-0.65°±0.5°
Castor		1.65°±0.5°
King pin inclination		11.3°±0.5°

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	2.5±1.5
Camber		-0.25°±0.25°

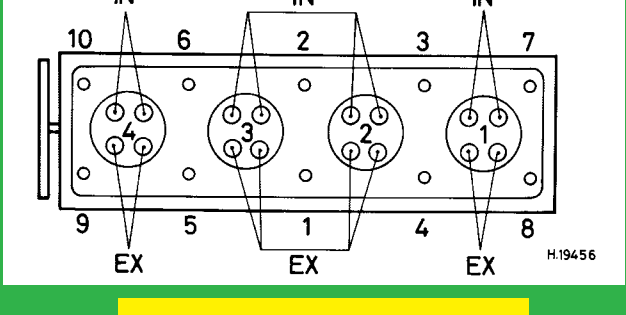
Torque wrench settings9000 2.0 Turbo Intercooler1994 to 1997

Cylinder head - stage 1	Nm	60
- stage 2	Nm	80
- stage 3	Nm	+90°
- stage 4	Nm	—
Big-end bearings	Nm	48
Main bearings	Nm	110
Clutch cover	Nm	22±2
Flywheel [driveplate]	Nm	80
Front hubs	Nm	270 to 290
Rear hubs	Nm	270 to 290
Wheel nuts / bolts	Nm	90 to 110
Spark plugs	Nm	28

Capacities9000 2.0 Turbo Intercooler1994 to 1997

Engine oil & filter	litres	5.5
Gearbox - 4-speed [5-speed]	litres	1.8
Automatic transmission - refill	litres	3.0 to 3.5
Final drive	litres	WT
Cooling system	litres	9.0
Fuel tank	litres	66

Notes and Illustrations



1985 cm³, 16V