

Engine & Cooling

Fuel

Ignition

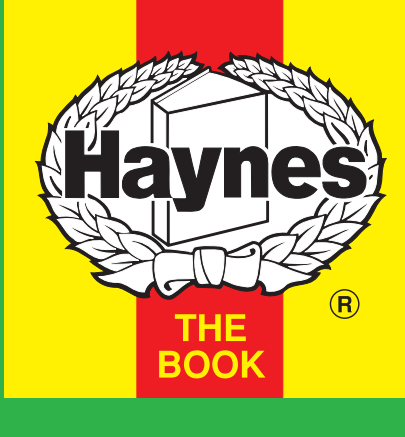
Electrical

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 system

A610 Turbo CAT (D503)

1992 to 1995

Type		Z7X-7-44
Capacity (cm³) / number of cylinders		2975 / 6
Compression ratio / pressure	bar	7.6 / _
Oil pressure	bar	2.2 [4.8]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.10
Valve clearance - exhaust	mm	0.25
Firing order		1-6-3-5-2-4
No 1 cylinder position		RL
Thermostat opening temperature	°C	82
Radiator cap pressure	bar	0.9

Fuel system

A610 Turbo CAT (D503)

1992 to 1995

Idle speed - manual [auto]	rpm	700±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤300
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Renix
Type / ref		Bendix R electronic + Turbo
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	3.0±0.2
Octane rating	RON	95[U]

Ignition system

A610 Turbo CAT (D503)

1992 to 1995

Type		Computerized
Ignition coil		Renix
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Renix
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° 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		Eyquem
Type		FC82LS3
Electrode gap	mm	1.5±0.2

Electrical system

A610 Turbo CAT (D503)

1992 to 1995

Battery	V / CC / RC	12 / 50Ah
Alternator voltage / full load current / engine rpm		13.5 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

A610 Turbo CAT (D503)

1992 to 1995

Brakes -		
Front (min. friction material thickness)	mm	10.0 with backing
Rear (min. friction material thickness)	mm	8.0 with backing

Tyres		
Saloon	Size	205/45x16: 245/45x16
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.4
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.5±1.0
Camber		-1°20'±20'
Castor		+5°±30'
King pin inclination		+6°15'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	_
Camber		_

Torque wrench settings

A610 Turbo CAT (D503)

1992 to 1995

Cylinder head - stage 1	Nm	60, then slacken bolts
- stage 2	Nm	40 + 180°
Cylinder head - stage 3	Nm	Warm up engine, then cool
- stage 4	Nm	+ 50°
Big-end bearings	Nm	42
Main bearings	Nm	30 + 75°
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	48
Front hubs	Nm	160
Rear hubs	Nm	250
Wheel nuts / bolts	Nm	100
Spark plugs	Nm	_

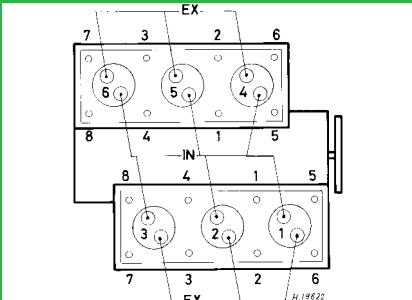
Capacities

A610 Turbo CAT (D503)

1992 to 1995

Engine oil & filter	litres	7.6
Gearbox - 4-speed [5-speed]	litres	3.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	15.0
Fuel tank	litres	80

Notes and Illustrations



2975 cm³