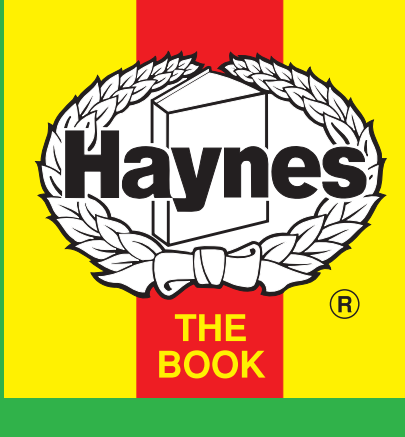


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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MENUHELP

Engine and cooling system

605, 3.0i CAT

1990 to 1995

Type		ZPJ/Z (SFZ) (123kW)
Capacity (cm³) / number of cylinders		2975 / 6
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	1.6 [4.5 to 5.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-6-3-5-2-4
No 1 cylinder position		FEL
Thermostat opening temperature	°C	83 to 95 [AT: 78 to 90]
Radiator cap pressure	bar	1.4

Fuel system

605, 3.0i CAT

1990 to 1995

Idle speed - manual [auto]	rpm	800±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3 N/A
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		Bendix
Type / ref		Fenix 3B
Main jet / needle		_
Injection pressure	bar	3.0
Pump pressure	bar	2.8 to 3.2
Octane rating	RON	95[U]

Ignition system

605, 3.0i CAT

1990 to 1995

Type		Fenix 3B
Ignition coil		_
Primary resistance	ohms	0.7
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		Eyquem/Champion
Type		RFC58LS3 / C7YCC
Electrode gap	mm	1.00±0.10

Electrical system

605, 3.0i CAT

1990 to 1995

Battery	V / CC / RC	(12L1 300, 12L2 400)
Alternator voltage / full load current / engine rpm		13.8 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear

605, 3.0i CAT

1990 to 1995

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

Tyres		
Saloon	Size	195/65x15:205/60x15:205/55x16
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.71±0.5
Camber		-16'±30'
Castor		+2°40'±30'
King pin inclination		+13°33'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.14±0.3 PW
Camber		-1°30'±30'

Torque wrench settings

605, 3.0i CAT

1990 to 1995

Cylinder head - stage 1	Nm	60
- stage 2	Nm	Slacken
Cylinder head - stage 3	Nm	40
- stage 4	Nm	+ 180°
Big-end bearings	Nm	25 + 75°
Main bearings	Nm	70²
Clutch cover	Nm	20
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	345
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25 to 30

Capacities

605, 3.0i CAT

1990 to 1995

Engine oil & filter	litres	6.5
Gearbox - 4-speed [5-speed]	litres	1.85
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	9.5 [10.0]
Fuel tank	litres	80

Notes and Illustrations

¹At ride height (h2) = 128.00

²Slacken, then 30 + 75°

