

Engine & Cooling

Fuel

Ignition

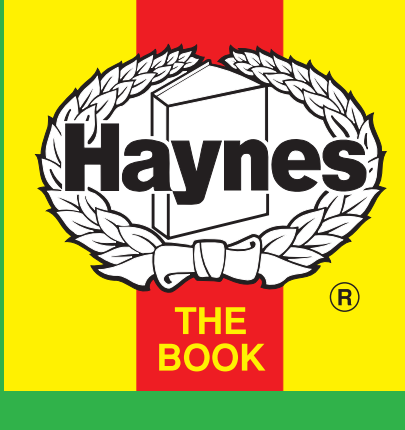
Electrical

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Automotive Technical
DATA BOOK

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Engine and cooling system

605, 3.0i 24V CAT

1990 to 1994

Type		ZPJ4Z (SKZ) (147kW) DOHC 24V
Capacity (cm³) / number of cylinders		2975 / 6
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	0.8 [4.2 to 5.8]
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
Radiator cap pressure	bar	1.4

Fuel system

605, 3.0i 24V CAT

1990 to 1994

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 4
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 24V CAT

1990 to 1994

Type		Fenix 4
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	_
	° 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 to 1.10

Electrical system

605, 3.0i 24V CAT

1990 to 1994

Battery	V / CC / RC	(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 24V CAT

1990 to 1994

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

Tyres		
Saloon	Size	205/55x16:225/55x16
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.76±0.5
Camber		-19'±30'
Castor		+2°42'±30'
King pin inclination		+13°39'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.22±0.3 PW ¹
Camber		-1°37'±30'

Torque wrench settings

605, 3.0i 24V CAT

1990 to 1994

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	70 ²
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	28 to 30

Capacities

605, 3.0i 24V CAT

1990 to 1994

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

Notes and Illustrations

¹At ride height (h2) = 128.00

²Slacken, then 30 + 75°

