



HELP

Engine and cooling system	605, 2.0 Turbo CAT	1993 to 1995
Type	YL10J2TE/3 (DCX) 1041W US82	

Type	X010J21E/Z (RGY) 104kW US83	
Capacity (cm ³) / number of cylinders	1998 / 4	
Compression ratio / pressure	bar	8.5 / _
Oil pressure	bar	2.3 [5.7]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20±0.05
Valve clearance - exhaust	mm	0.40±0.05
Firing order	1-3-4-2	
No 1 cylinder position	FE	
Thermostat opening temperature	°C	89 to 101
Radiator cap pressure	bar	1.4

Fuel system	605, 2.0 Turbo CAT	1993 to 1995
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Idle speed - manual [auto]	rpm	800±50 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	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		Bosch
Type / ref		MP3.2-Motronic
Main jet / needle		—
Injection pressure	bar	3.0
Pump pressure	bar	2.8 to 3.2
Octane rating	RON	95[11]

Ignition system	605, 2.0 Turbo CAT	1993 to 1995
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Type	Static
Ignition coil	2xValeo. Bosch
Primary resistance ohms	0.8
Ballast resistor ohms	—
Voltage - Tmnl 15(+) to earth V	—
Distributor	—
Points gap (air gap) mm	—
Dwell angle ° (%)	—
Condenser capacity µF	—
Rotation	Anticlockwise
Ignition timing - basic [static ° Crankshaft @ rpm	N/A
V = Vacuum NV = No Vacuum	NV
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	RFC58LS3
Electrode gap mm	0.80±0.05

Electrical system	605, 2.0 Turbo CAT	1993 to 1995
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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 2.0 Turbo CAT	1993 to 1995
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Running gear	505, 2.0 Turbo CAT	1995 to 1999
Brakes -		

Front (min. friction material thickness)	mm	—
Rear (min. friction material thickness)	mm	—

Real (min. inlction material thickness)	mm	-
Tyres		

Saloon	Size	205/60x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.3 / 2.3
- Estate / Van	bar	

Front suspension / wheel alignment	271,00 €
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Toe-in (+) / Toe-out (-)	mm [°]	+0.71±0.5
Camber		-18'±30'
Castor		+2°35'±30'
King pin inclination		+13°38'±30'

Rear suspension / wheel alignment	
Toe in (L) / Toe out (R)	mm [°] +1.14±0.3 PW

10e-in (+) / 10e-out (-)	mm [-]	+1.14±0.3 PW
Camber		-1°29'±30'

Torque wrench settings	605, 2.0 Turbo CAT	1993 to 1995
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Cylinder head - stage 1	Nm	35: Bolts ≤122mm
- stage 2	Nm	70
Cylinder head - stage 3	Nm	+ 160°
- stage 4	Nm	—
Big-end bearings	Nm	40 ¹
Main bearings	Nm	70
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	50 LkC
Front hubs	Nm	345
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	27

Capacities	605, 2.0 Turbo CAT	1993 to 1995
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Engine oil & filter	litres	4.75. A/C: 4.5
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	—
Final drive	litres	WT
Cooling system	litres	7.3
Fuel tank	litres	80

Notes and Illustrations

¹Slacken, then $20 + 70^\circ$

