

Engine & Cooling

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Engine and cooling system

155, 2.5 V6 CAT

1992 to 1997

Type	AR 673.01/03 121kW SOHC	
Capacity (cm ³) / number of cylinders	2492 / 6	
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	1.5 [5.0]
Oil temperature	°C	90
Valve clearance - inlet	mm	0.48 to 0.50
Valve clearance - exhaust	mm	0.31 to 0.35
Firing order	1-4-2-5-3-6	
No 1 cylinder position	FR	
Thermostat opening temperature	°C	87±2
Radiator cap pressure	bar	0.98±0.1

Fuel system

155, 2.5 V6 CAT

1992 to 1997

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤50
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Bosch	
Type / ref	M1.7-Motronic	
Main jet / needle	_	
Injection pressure	bar	2.8 to 3.2
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system

155, 2.5 V6 CAT

1992 to 1997

Type	DME Motronic	
Ignition coil	Bosch	
Primary resistance	ohms	0.50
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Bosch	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	Clockwise	
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	Lodge	
Type	2HL	
Electrode gap	mm	N/A

Electrical system

155, 2.5 V6 CAT

1992 to 1997

Battery	V / CC / RC	12 / 320 / 60Ah
Alternator voltage / full load current / engine rpm	14.0 / 80 / 3000	
Starter motor current / voltage - cranking	A / V	350 / 9.0
- locked	A / V	750 / 4.0

Running gear

155, 2.5 V6 CAT

1992 to 1997

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	3.0

Tyres		
Saloon	Size	195/55x15: 205/50x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.5 / 2.3
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0
Camber	-20'±20' U/L	
Castor	+3°30'±20' U/L	
King pin inclination	+11°30'	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+0.5±0.2 U/L
Camber	-1°±15' U/L	

Torque wrench settings

155, 2.5 V6 CAT

1992 to 1997

Cylinder head - stage 1	Nm	89 to 98 oiled
- stage 2	Nm	Warm up, cool, slacken
Cylinder head - stage 3	Nm	Oil bolts
- stage 4	Nm	98 to 108
Big-end bearings	Nm	53 to 59 oiled
Main bearings	Nm	84 to 93 oiled
Clutch cover	Nm	32 to 40
Flywheel [driveplate]	Nm	113, LkC
Front hubs	Nm	67 to 73 + 62±2°
Rear hubs	Nm	304 to 336
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	25 to 34 oiled

Capacities

155, 2.5 V6 CAT

1992 to 1997

Engine oil & filter	litres	6.0
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	9.2
Fuel tank	litres	63

Notes and Illustrations

