

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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HELP

Engine and cooling system 19, 1.7i CAT(X53C) 1990 to 1992

Type		F3N-7-42/43	71kW
Capacity (cm ³) / number of cylinders		1721	/ 4
Compression ratio / pressure	bar	9.5	/ _
Oil pressure	bar	2.0	[3.5]
Oil temperature	°C	80	
Valve clearance - inlet	mm	0.20	
Valve clearance - exhaust	mm	0.40	
Firing order		1-3-4-2	
No 1 cylinder position		FE	
Thermostat opening temperature	°C	89	
Radiator cap pressure	bar	1.2	

Fuel system 19, 1.7i CAT(X53C) 1990 to 1992

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	
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥14.5	
O ₂ @ idle speed [3000 rpm] - see page VI	%	_	
Carburettor / fuel injection		Siemens Bendix	
Type / ref		Weber Multipoint MPI	
Main jet / needle		_	
Injection pressure	bar	2.5±0.05	
Pump pressure	bar	3.0±0.2	
Octane rating	RON	95[U]	

Ignition system 19, 1.7i CAT(X53C) 1990 to 1992

Type		AEI	
Ignition coil		Renix	
Primary resistance	ohms	0.4 to 0.8	
Ballast resistor	ohms	_	
Voltage - Tmnl 15(+) to earth	V	_	
Distributor		Renix	
Points gap (air gap)	mm	_	
Dwell angle	° (%)	_	
Condenser capacity	µF	_	
Rotation		_	
Ignition timing - basic [static	° Crankshaft @ rpm	AEI control	
V = Vacuum NV = No Vacuum		_	
Total ignition advance	° Crankshaft @ rpm	_	
	° Crankshaft @ rpm	_	
	° Crankshaft @ rpm	_	
Centrifugal check.	° Crankshaft @ rpm	AEI control	
	° Crankshaft @ rpm	_	
	° Crankshaft @ rpm	_	
Vacuum range check	mbar	AEI control	
Maximum vacuum advance	° Crankshaft	_	
Spark plugs		AC/Champion	
Type		C41CXLS / N6YC	
Electrode gap	mm	0.80±0.05	

Electrical system 19, 1.7i CAT(X53C) 1990 to 1992

Battery	V / CC / RC	12 / 50Ah	
Alternator voltage / full load current / engine rpm		13.5 to 15.0	/ _ / 3000
Starter motor current / voltage - cranking	A / V	_	
- locked	A / V	350 to 460	/ _

Running gear 19, 1.7i CAT(X53C) 1990 to 1992

Brakes -			
Front (min. friction material thickness)	mm	6.0	with backing
Rear (min. friction material thickness)	mm	2.5 ¹	

Tyres			
Saloon	Size	175/70x13: 175/65x14	
Estate / Van	Size	_	
Pressure - front / rear - Saloon	bar	2.0 / 2.2 ²	
- Estate / Van	bar	_	

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0	
Camber		-5'±30'	
Castor		+1°55'. PAS: +4°	
King pin inclination		+12°55'±30'	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.0 to 3.0	
Camber		-50'±30'	

Torque wrench settings 19, 1.7i CAT(X53C) 1990 to 1992

Cylinder head - stage 1	Nm	30	
- stage 2	Nm	70, wait 3 min. Slacken	
Cylinder head - stage 3	Nm	20	
- stage 4	Nm	+ 123±2°	
Big-end bearings	Nm	45 to 50	
Main bearings	Nm	60 to 65	
Clutch cover	Nm	25	
Flywheel [driveplate]	Nm	50 to 55 [65]	
Front hubs	Nm	250	
Rear hubs	Nm	160	
Wheel nuts / bolts	Nm	80	
Spark plugs	Nm	_	

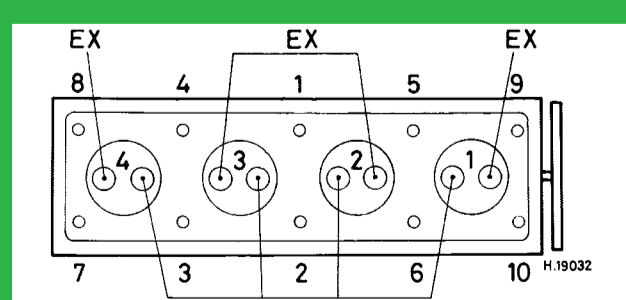
Capacities 19, 1.7i CAT(X53C) 1990 to 1992

Engine oil & filter	litres	5.2	
Gearbox - 4-speed [5-speed]	litres	3.4	
Automatic transmission - refill	litres	3.5	
Final drive	litres	AT: 1.0	
Cooling system	litres	6.0	
Fuel tank	litres	55	

Notes and Illustrations

¹Discs: 5.0 with backing

²AT: 2.1 / 2.2



1721 cm³