

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 360, 2.0i CAT 1986 to 1989

Type		B200F. 80kW
Capacity (cm ³) / number of cylinders		1990 / 4
Compression ratio / pressure	bar	9.2 / 8.8
Oil pressure	bar	[2.5 to 5.9]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.43±0.03 H
- exhaust	mm	0.43±0.03 H
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	86 to 88 or 91 to 93
Radiator cap pressure	bar	0.63 to 0.83

Fuel system 360, 2.0i CAT 1986 to 1989

Idle speed - manual [auto]	rpm	900±50
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	0.6±0.2
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	—
O ₂ @ idle speed [3000 rpm] - see page VI	%	—
Carburettor / fuel injection		Bosch
Type / ref		LU-Jetronic
Main jet / needle		—
Injection pressure	bar	2.5
Pump pressure	bar	2.5
Octane rating	RON	91[U]

Ignition system 360, 2.0i CAT 1986 to 1989

Type		AEI
Ignition coil		Renix
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Bosch/Renix
Points gap (air gap)	mm	—
Dwell angle	° (%)	Electronic control
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	11±2 BTDC @ 900
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		Bosch/Champion
Type		W6DC / N7YC, N279YC
Electrode gap	mm	0.70 to 0.80

Electrical system 360, 2.0i CAT 1986 to 1989

Battery	V / CC / RC	12 / 55Ah
Alternator voltage / full load current / engine rpm		14.0 / 55 / 4000
Starter motor current / voltage - cranking	A / V	70 / 11.5 no load
- locked	A / V	480 / 7.4

Running gear 360, 2.0i CAT 1986 to 1989

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	1.0
Tyres		
Saloon	Size	175/70x13: 175/65x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.9 / 2.1
- Estate / Van	bar	—
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+4.0±1.0
Camber		-30'±30"
Castor		+7°30'±30'
King pin inclination		+9°35'±30'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±3.0
Camber		-2°±30'

Torque wrench settings 360, 2.0i CAT 1986 to 1989

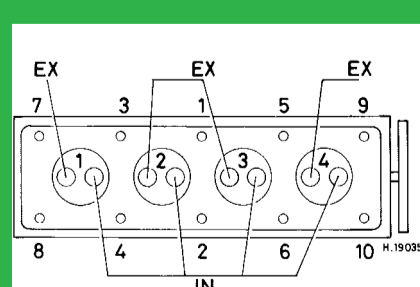
Cylinder head - stage 1	Nm	20
- stage 2	Nm	60
- stage 3	Nm	+ 90°
- stage 4	Nm	—
Big-end bearings	Nm	20 + 90°
Main bearings	Nm	110
Clutch cover	Nm	23
Flywheel [driveplate]	Nm	70 N
Front hubs	Nm	55, - 90° & lock
Rear hubs	Nm	220
Wheel nuts / bolts	Nm	115
Spark plugs	Nm	25

Capacities 360, 2.0i CAT 1986 to 1989

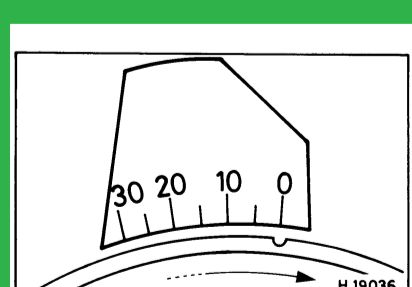
Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	[2.8]
Automatic transmission - refill	litres	—
Final drive	litres	1.4
Cooling system	litres	7.0
Fuel tank	litres	57

Notes and Illustrations

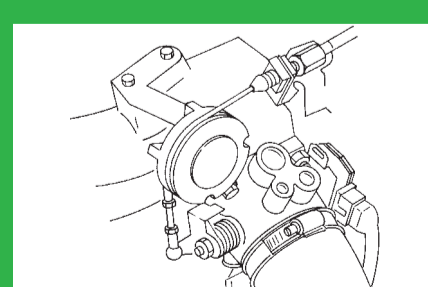
1: Idle speed 2: CO / Mixture



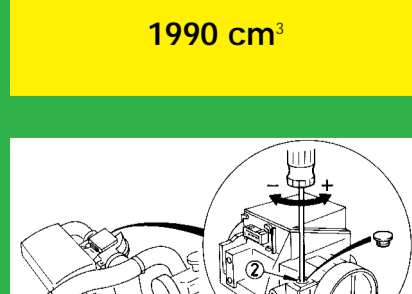
1990 cm³



1990 cm³



LU-Jetronic



LU-Jetronic