

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

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Engine and cooling system 90, 2.0 1987 to 1989

Type	PS (85kW) SOHC	
Capacity (cm ³) / number of cylinders	1994 / 5	
Compression ratio / pressure	bar	10.0 / ≥8.0
Oil pressure	bar	[2.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order	1-2-4-5-3	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	87
Radiator cap pressure	bar	1.2 to 1.5

Fuel system 90, 2.0 1987 to 1989

Idle speed - manual [auto]	rpm	750 to 850
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.0±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	K-Jetronic	
Main jet / needle	—	
Injection pressure	bar	4.3 to 4.7
Pump pressure	bar	5.4 to 6.2
Octane rating	RON	98[E 98 RON]

Ignition system 90, 2.0 1987 to 1989

Type	TSZ	
Ignition coil	Bosch	
Primary resistance	ohms	0.52 to 0.76
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Bosch	
Points gap (air gap)	mm	—
Dwell angle	° (%)	N/A
Condenser capacity	µF	—
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	18±1 BTDC @ 750 to 850
V = Vacuum NV = No Vacuum	V	
Total ignition advance	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1100 to 1300
Vacuum range check	° Crankshaft @ rpm	11 to 15 @ 2600 to 3800
Maximum vacuum advance	° Crankshaft @ rpm	18 to 22 @ 5600
Maximum vacuum advance	° Crankshaft	12 to 14
Spark plugs	NGK	
Type	BUR6ET	
Electrode gap	mm	0.70 to 0.90

Electrical system 90, 2.0 1987 to 1989

Battery	V / CC / RC	12 / 63Ah
Alternator voltage / full load current / engine rpm	12.5 to 14.5 / _ / 2000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear 90, 2.0 1987 to 1989

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0
Tyres		
Saloon	Size	175/70x14:195/60x14: 205/50x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	2.1 / 2.1 ¹
- Estate / Van	bar	—
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+10'±10']
Camber		-45'±30'
Castor		+1°15'±30'. Sport: +1°25'±30'
King pin inclination		—
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	[+20'±20']
Camber		-1°±20'

Torque wrench settings 90, 2.0 1987 to 1989

Cylinder head - stage 1	Nm	40 N
- stage 2	Nm	60
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 + 90°
Main bearings	Nm	65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	30 + 90° N
Front hubs	Nm	265 LkC ²
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	20

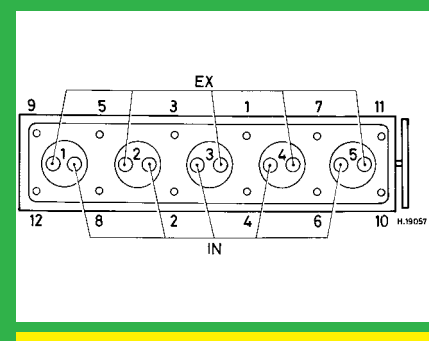
Capacities 90, 2.0 1987 to 1989

Engine oil & filter	litres	4.0
Gearbox - 4-speed [5-speed]	litres	2.4
Automatic transmission - refill	litres	3.0
Final drive	litres	AT: 0.75
Cooling system	litres	7.0
Fuel tank	litres	68

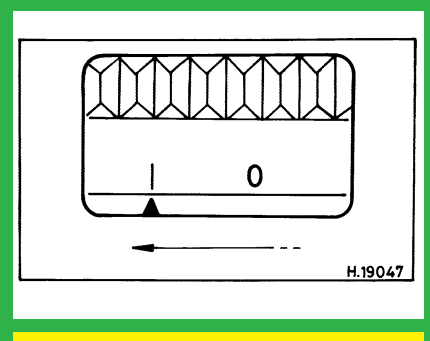
Notes and Illustrations

¹205/50x15: 2.3 / 2.3
²From chassis no. 89 JA 377 713: 120 + 90°

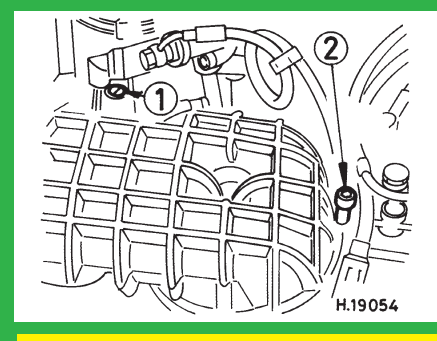
1: Idle speed 2: CO / Mixture



1994 cm³, 10V



1994 cm³, 10V



K-Jetronic, PS