

Type	T01/K (H1A) (40kW)	
Capacity (cm ³) / number of cylinders	1124 / 4	
Compression ratio / pressure	bar	9.4 / _
Oil pressure	bar	1.5 [3.0]
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	1.0

Fuel system		800, 111	1000 to 1002
Idle speed - manual [auto]	rpm	850±50	
Fast idle speed - manual [auto]	rpm	—	
CO @ idle speed [3000 rpm] - see page VI	%	1.0 to 2.0	
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200	
CO2 @ idle speed [3000 rpm] - see page VI	%	—	
O2 @ idle speed [3000 rpm] - see page VI	%	—	
Carburettor / fuel injection		Solex	
Type / ref		32 PBISA 16-1 411-1	
Main jet / needle		127.5	
Injection pressure	bar	—	
Pump pressure	bar	0.25	
Octane rating	RON	97[IE 95 RON]	

Ignition system			309, 1.1	1989 to 1992
Type			Electronic	
Ignition coil			Bosch, Ducellier BTR01	
Primary resistance	ohms		0.7	
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		8 BTDC @ 850	
V = Vacuum NV = No Vacuum			NV	
Total ignition advance	° Crankshaft @ rpm		C041-D029	
	° Crankshaft @ rpm		—	
	° Crankshaft @ rpm		—	
Centrifugal check.	° Crankshaft @ rpm		6 to 8 @ 1000	
	° Crankshaft @ rpm		22 to 26 @ 2400	
	° Crankshaft @ rpm		30 to 34 @ 4400	
Vacuum range check	mbar		285 to 539	
Maximum vacuum advance	° Crankshaft		9 to 13	
Spark plugs			Eyquem/Champion	
Type			FC52LS / C9YCX	
Electrode gap	mm		0.80	

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm		13.8 to 14.8 / _ / 3000
Starter motor current / voltage - cranking	A / V	-
	A / V	

Running gear			309, 1.1	1989 to 1992
Brakes -				
Front (min. friction material thickness)	mm	1.0		
Rear (min. friction material thickness)	mm	—		

Saloon	Size	145x15. 155x15
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.9 / 2.1

Toe-in (+) / Toe-out (-)	mm [°]	+0.5±0.5 PW
Camber		-30'±30'
Castor		+2°±30'
King pin inclination		+10°15'±30'

Toe-in (+) / Toe-out (-)	mm [°]	+1.6±0.8 PW ¹
Camber		-50'±30'

Cylinder head - stage 1	Nm	20
- stage 2	Nm	+ 240°

- stage 4	Nm	–
Big-end bearings	Nm	40
Main bearings	Nm	WSM

Flywheel [driveplate]	Nm	65 LKc
Front hubs	Nm	265
Rear hubs	Nm	215

Spark plugs	Nm	28
Capacities		
	309, 1.1	1989 to 1992

Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	–
Final drive	litres	WT

Fuel tank	litres	55
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Notes and Illustrations

1990 ▶ +1.820.8 PW

Diagram of the H19305 valve showing its internal components and port numbering. The valve has four main ports: IN (top), EX (bottom), 1 (right), and 2 (left). The internal components are numbered 1 through 10. A side handle is shown on the right.

H.19306

Solex PBISA