

Engine & Cooling

Fuel

Ignition

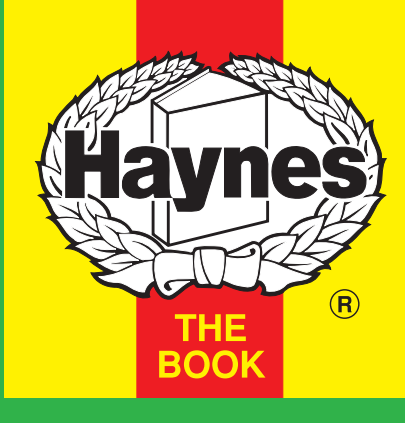
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive
Technical
DATA
BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling system

90, 2.0

1987 to 1989

Type	PS (85kW) SOHC	
Capacity (cm³) / 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
CO2 @ idle speed [3000 rpm] - see page VI	%	—
O2 @ 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	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	0 @ 1100 to 1300
	° Crankshaft @ rpm	11 to 15 @ 2600 to 3800
	° Crankshaft @ rpm	18 to 22 @ 5600
Vacuum range check	mbar	120 to 420
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 LkC²
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

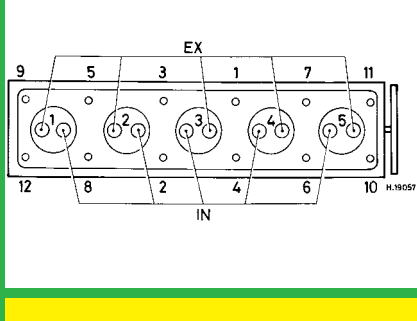
Notes and Illustrations

¹205/50x15: 2.3 / 2.3

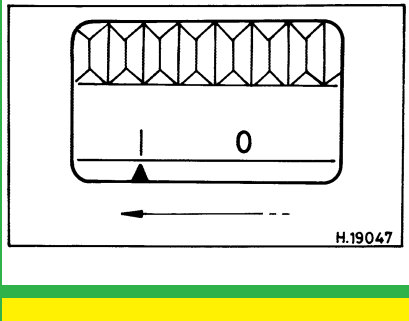
²From chassis no. 89 JA 377 713: 120 + 90°

1: Idle speed

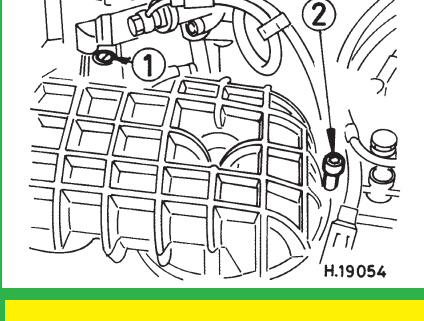
2: CO / Mixture



1994 cm³, 10V



1994 cm³, 10V



K-Jetronic, PS