

Engine & Cooling

Fuel

Ignition

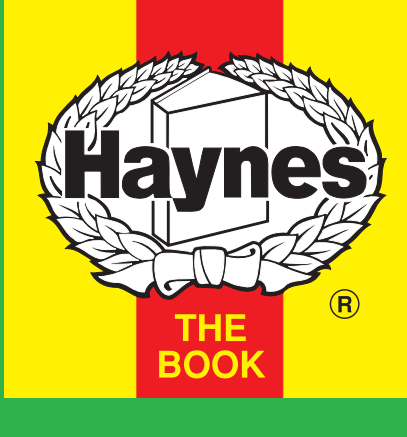
Electrical

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 system100, 1.8 CAT1986 to 1991

Type	SH 65kW SOHC	
Capacity (cm³) / number of cylinders	1781 / 4	
Compression ratio / pressure	bar	9.0 / ≥7.5
Oil pressure	bar	[2.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	85
Radiator cap pressure	bar	1.2 to 1.5

Fuel system100, 1.8 CAT1986 to 1991

Idle speed - manual [auto]	rpm	750±50. 1.88 ►: 900±50
Fast idle speed - manual [auto]	rpm	K I: 4200±200. K II: 3500±200
CO @ idle speed [3000 rpm] - see page VI	%	1.0-0.5
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	Keihin I/Keihin II	
Type / ref	K I: 26-30 DC. K II: EF	
Main jet / needle	K I: 110, 150. K II: 100, 145	
Injection pressure	bar	—
Pump pressure	bar	0.20 to 0.25
Octane rating	RON	91[U]

Ignition system100, 1.8 CAT1986 to 1991

Type	TSZ	
Ignition coil	Bosch	
Primary resistance	ohms	0.52 to 0.76
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor	Bosch/Ducellier	
Points gap (air gap)	mm	—
Dwell angle	° (%)	N/A
Condenser capacity	µF	—
Rotation	Clockwise	
Ignition timing - basic [static	° Crankshaft @ rpm	18±1 BTDC @ idle
V = Vacuum NV = No Vacuum	V	
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	K I: 0 @ 900 to 1200 ¹
	° Crankshaft @ rpm	K I: 18 to 23 @ 3000 ¹
	° Crankshaft @ rpm	K I: 28 to 32 @ 5000 ¹
Vacuum range check	mbar	K I: 60 to 320 ²
Maximum vacuum advance	° Crankshaft	K I: 13 to 15 ³
Spark plugs	NGK	
Type	BUR6ET	
Electrode gap	mm	0.70 to 0.90

Electrical system100, 1.8 CAT1986 to 1991

Battery	V / CC / RC	12 / 45Ah
Alternator voltage / full load current / engine rpm	12.5 to 14.5 / _ / 3000	
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear100, 1.8 CAT1986 to 1991

Brakes -		
Front (min. friction material thickness)	mm	7.0 with backing
Rear (min. friction material thickness)	mm	2.5

Tyres		
Saloon	Size	185/70x14
Estate / Van	Size	185/70x14
Pressure - front / rear - Saloon	bar	1.9 / 1.9
- Estate / Van	bar	1.9 / 1.9

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	[0+5' -10']
Camber	-30'±30'	
Castor	+50'±40'	
King pin inclination	—	

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	[+10'±5'] PW
Camber	-40'±30'	

Torque wrench settings100, 1.8 CAT1986 to 1991

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	60 + 90° N
Front hubs	Nm	280
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	25

Capacities100, 1.8 CAT1986 to 1991

Engine oil & filter	litres	3.0
Gearbox - 4-speed [5-speed]	litres	1.7 [2.0]
Automatic transmission - refill	litres	3.0
Final drive	litres	AT: 0.75
Cooling system	litres	7.0
Fuel tank	litres	80

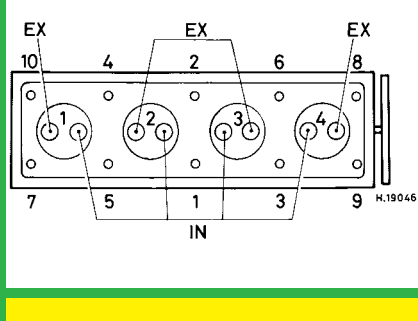
Notes and Illustrations

¹K II: 0 @ 1000 to 1200, 17 to 22 @ 3200, 26 to 30 @ 5800

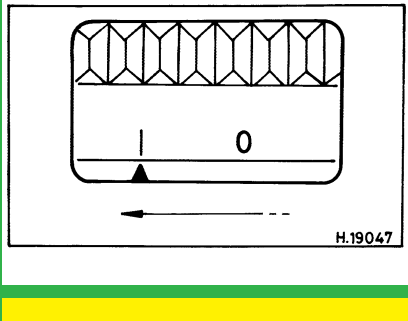
²K II: 100 to 260

³K II: 10 to 14

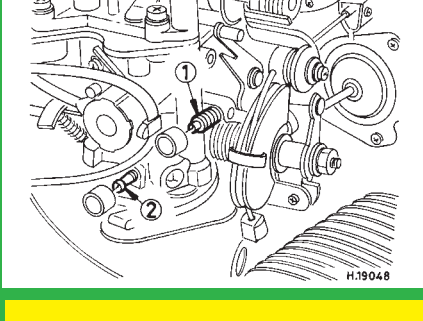
1: Idle speed2: CO / Mixture



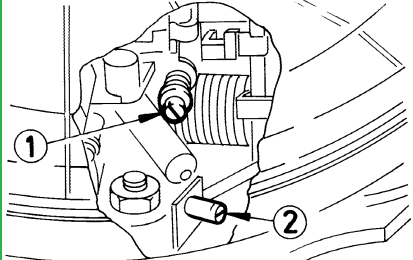
1781 cm³, 8V



1781 cm³, 8V



Keihin 26-30 DC



Keihin II EF