

Engine & Cooling

Fuel

Ignition

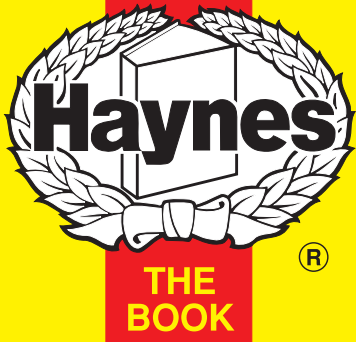
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

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Engine and cooling system

126 Bis (703 cm³)

1987 to 1992

Type		126 A2.000 OHV 18.5kW
Capacity (cm³) / number of cylinders		704 / 2
Compression ratio / pressure	bar	8.6±0.15 / _
Oil pressure	bar	[2.9 to 4.8]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.15±0.05
Valve clearance - exhaust	mm	0.15±0.05
Firing order		1-2
No 1 cylinder position		_
Thermostat opening temperature	°C	85 to 89
Radiator cap pressure	bar	0.98

Fuel system

126 Bis (703 cm³)

1987 to 1992

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber/FOS
Type / ref		W: 30 DGF 3/150. F: 30S2HR
Main jet / needle		W: 90, 90. F: 92, 90
Injection pressure	bar	_
Pump pressure	bar	≥0.20
Octane rating	RON	97[E 95 RON]

Ignition system

126 Bis (703 cm³)

1987 to 1992

Type		Contact breaker - CIS
Ignition coil		Biazet 101, Marelli BZ 600A
Primary resistance	ohms	1.42 to 1.60 (typical)
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli/Zelmot.
Points gap (air gap)	mm	M: 0.40±0.03¹
Dwell angle	° (%)	78±3
Condenser capacity	µF	0.25±0.025
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10 BTDC @ idle
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 to 2 @ 1400
	° Crankshaft @ rpm	8 to 12 @ 2300
	° Crankshaft @ rpm	16 to 20 @ 3000
Vacuum range check	mbar	71 to 267
Maximum vacuum advance	° Crankshaft	13 to 17
Spark plugs		Bosch/Champion
Type		WR7DC / RC9YC
Electrode gap	mm	0.70 to 0.80

Electrical system

126 Bis (703 cm³)

1987 to 1992

Battery	V / CC / RC	12 / 140 / 34Ah
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 43, 45 / 3500
Starter motor current / voltage - cranking	A / V	150 / 9.7
- locked	A / V	300 / 7.3

Running gear

126 Bis (703 cm³)

1987 to 1992

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	135/70x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.5 / 2.0
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0 to 6.0
Camber		+1°40'±30'
Castor		+9°±1°
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+1.5 to 5.5
Camber		+3°±30'

Torque wrench settings

126 Bis (703 cm³)

1987 to 1992

Cylinder head - stage 1	Nm	M8 bolts: 24
- stage 2	Nm	M9 bolts: 40
Cylinder head - stage 3	Nm	Nuts: 49
- stage 4	Nm	_
Big-end bearings	Nm	34
Main bearings	Nm	27
Clutch cover	Nm	10
Flywheel [driveplate]	Nm	44
Front hubs	Nm	WSM
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	69
Spark plugs	Nm	25 to 30

Capacities

126 Bis (703 cm³)

1987 to 1992

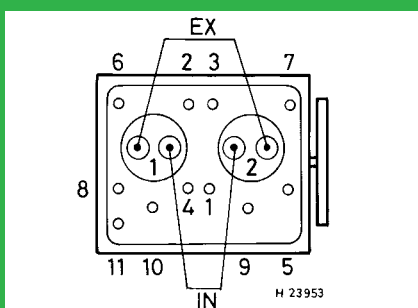
Engine oil & filter	litres	2.25
Gearbox - 4-speed [5-speed]	litres	1.1
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	4.8
Fuel tank	litres	21

Notes and Illustrations

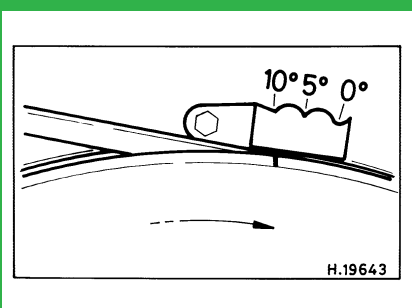
¹Z: 0.47 to 0.55

1: Idle speed

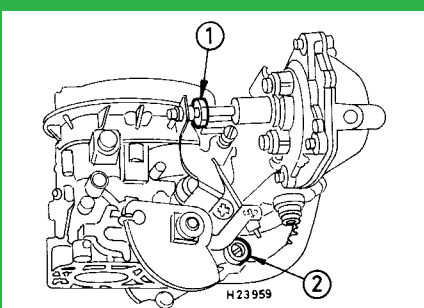
2: CO / Mixture



704 cm³



704 cm³, 126



Weber DGF / FOS 30S2HR