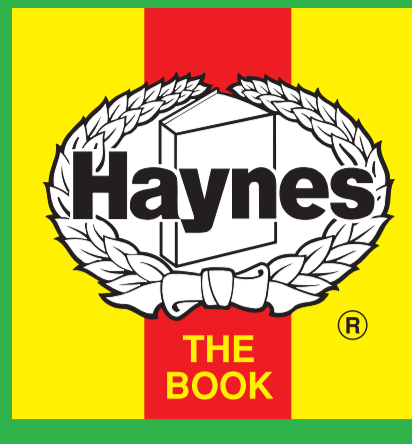


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
------------------	------	----------	------------	--------------	-----------------	------------	-----------------------



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 Bravo 2.0 20V 1996 to 1997

Type	182 A1.000 DOHC 20V 108kW	
Capacity (cm ³) / number of cylinders	1998 / 5	
Compression ratio / pressure	bar	10.0 / _
Oil pressure	bar	[4.0]
Oil temperature	°C	100
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	81
Radiator cap pressure	bar	0.98

Fuel system Bravo 2.0 20V 1996 to 1997

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	_
HC @ idle speed [3000 rpm] - see page VI	ppm	_
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥13.0
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	_ Bosch	
Type / ref	M2.10.4-Motronic SEFI	
Main jet / needle	_	
Injection pressure	bar	3.0
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system Bravo 2.0 20V 1996 to 1997

Type	Motronic Static	
Ignition coil	Bosch 5x 0 221 504 006	
Primary resistance	ohms	0.40
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	_	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static	° Crankshaft @ rpm	Computer control N/A
V = Vacuum NV = No Vacuum	_	
Total ignition advance	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	_
Spark plugs	_/Champion	
Type	RC7BMC	
Electrode gap	mm	0.80

Electrical system Bravo 2.0 20V 1996 to 1997

Battery	V / CC / RC	12 / 50 / 380
Alternator voltage / full load current / engine rpm	14.0 to 14.3 / 85 / _	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear Bravo 2.0 20V 1996 to 1997

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

Tyres		
Saloon	Size	195/55x15: 205/50x15
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.5 / 2.2
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber	-33'±30'	
Castor	+2°50'±30'	
King pin inclination	_	

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-2.5 to +1.5
Camber	-1°±30'	

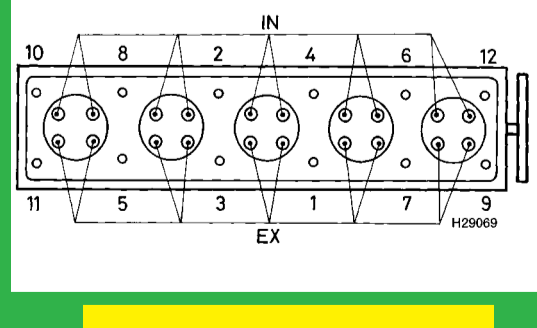
Torque wrench settings Bravo 2.0 20V 1996 to 1997

Cylinder head - stage 1	Nm	40
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	51
Main bearings	Nm	113
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	142
Front hubs	Nm	280
Rear hubs	Nm	_
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	25

Capacities Bravo 2.0 20V 1996 to 1997

Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.4
Fuel tank	litres	60

Notes and Illustrations



1998 cm³, 20V