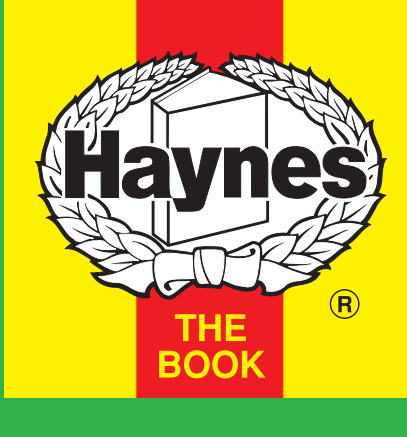


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



Automotive Technical
DATA BOOK

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MENUHELP

Engine and cooling system

5, 1.4 (B/C403)

1987 to 1990

Type		C2J-F7-00 [AT: C2J-Q7-81]
Capacity (cm³) / number of cylinders		1397 / 4
Compression ratio / pressure	bar	9.2 / _
Oil pressure	bar	0.7 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15
Valve clearance - exhaust	mm	0.20
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	83
Radiator cap pressure	bar	0.9

Fuel system

5, 1.4 (B/C403)

1987 to 1990

Idle speed - manual [auto]	rpm	700±25 [600±25]
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5±0.5 [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		Weber
Type / ref		32 DRT 7 / 21 [AT: 32 DRT 8]
Main jet / needle		107, 105 (DRT 21: 110, 105)
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	98[E 98 RON]

Ignition system

5, 1.4 (B/C403)

1987 to 1990

Type		AEI
Ignition coil		Renix
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Renix
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	6 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	RE254 [AT: RE226]
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	7 to 9 @ 650¹
	° Crankshaft @ rpm	9 to 12 @ 1550¹
	° Crankshaft @ rpm	28 to 30 @ 4050¹
Vacuum range check	mbar	0 to 300 @ 4550 rpm
Maximum vacuum advance	° Crankshaft	10²
Spark plugs		AC/Champion
Type		C42CXLS / N281YC
Electrode gap	mm	0.75 to 0.85

Electrical system

5, 1.4 (B/C403)

1987 to 1990

Battery	V / CC / RC	12 / 175 / 60
Alternator voltage / full load current / engine rpm		13.5 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	340 to 460 / _

Running gear

5, 1.4 (B/C403)

1987 to 1990

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing

Tyres		
Saloon	Size	145/70x13:155/70x13:165/65x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 2.2³
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0
Camber		+15'±30'
Castor		+2°±30'
King pin inclination		+12°40'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +3.0
Camber		-50'±30'

Torque wrench settings

5, 1.4 (B/C403)

1987 to 1990

Cylinder head - stage 1	Nm	55 to 65
- stage 2	Nm	_
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	45
Main bearings	Nm	55 to 65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	50 [65 to 70]
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	80
Spark plugs	Nm	_

Capacities

5, 1.4 (B/C403)

1987 to 1990

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.9
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	5.5
Fuel tank	litres	43

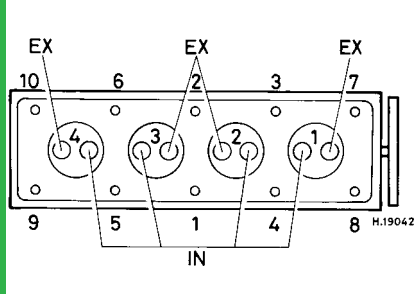
Notes and Illustrations

¹AT: 5 to 7 @ 650, 11 to 18 @ 1550, 22 to 26 @ 4050

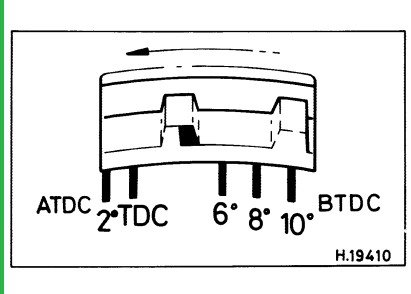
²AT: _10

³AT: 2.1 / 2.2

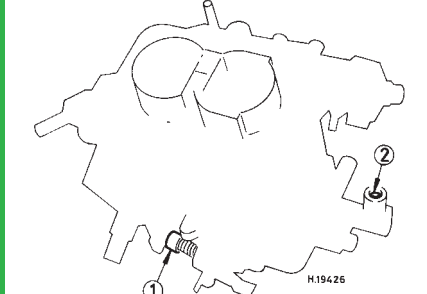
1: Idle speed 2: CO / Mixture



1397 cm³



1397 cm³



Weber 32 DRT