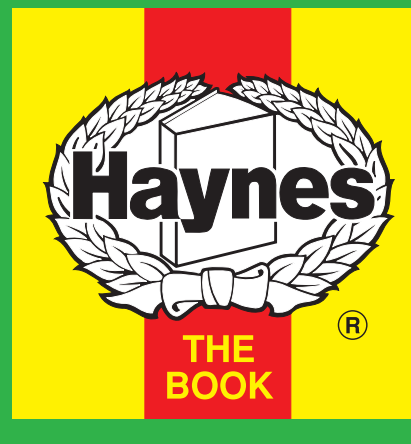


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical DATA BOOK

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 Tempra 1.6ie 1994 to 1997

Type	835 C1.000 SOHC 67kW	
Capacity (cm ³) / number of cylinders	1581 / 4	
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	1.5 [3.7]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.40±0.05
Valve clearance - exhaust	mm	0.50±0.05
Firing order	1-3-4-2	
No 1 cylinder position	TBE	
Thermostat opening temperature	°C	80 to 84
Radiator cap pressure	bar	0.98

Fuel system Tempra 1.6ie 1994 to 1997

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.35
HC @ idle speed [3000 rpm] - see page VI	ppm	≤90
CO ₂ @ idle speed [3000 rpm] - see page VI	%	≥13.0
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	_GM	
Type / ref	Multec MPI	
Main jet / needle	_	
Injection pressure	bar	3.00
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition system Tempra 1.6ie 1994 to 1997

Type	DIS	
Ignition coil	AC Rochester	
Primary resistance	ohms	_
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 V = Vacuum NV = No Vacuum]	° Crankshaft @ rpm	10±5 BTDC @ 850±50 N/A
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	Fiat/Champion	
Type	7GYSSR / RC7YCC	
Electrode gap	mm	0.85 to 0.95

Electrical system Tempra 1.6ie 1994 to 1997

Battery	V / CC / RC	12 / 255 / 55Ah
Alternator voltage / full load current / engine rpm	14.3 to 14.6 / 65 / _	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear Tempra 1.6ie 1994 to 1997

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5
Tyres		
Saloon	Size	175/65x14
Estate / Van	Size	175/65x14
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	2.2 / 2.2
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1.0
Camber	10'±30'	
Castor	2°40'±30'. Estate: 2°20'±30'	
King pin inclination	_	
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-3.0 to +1.0
Camber	-1°±30'	

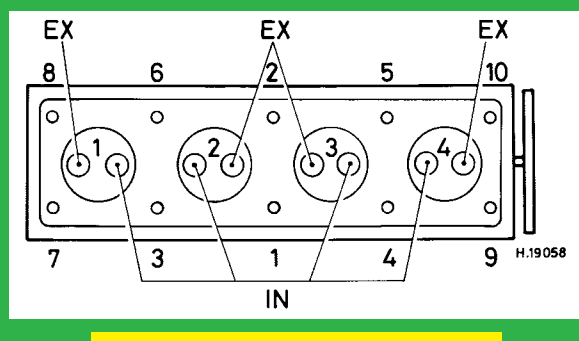
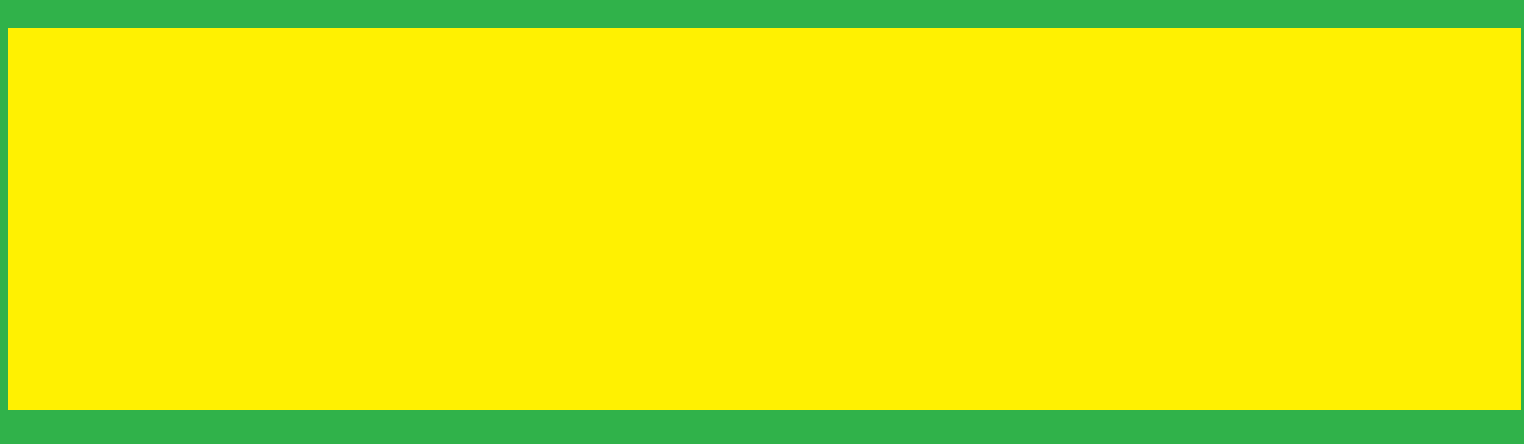
Torque wrench settings Tempra 1.6ie 1994 to 1997

Cylinder head - stage 1	Nm	40
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	_
Big-end bearings	Nm	51
Main bearings	Nm	80
Clutch cover	Nm	38
Flywheel [driveplate]	Nm	83
Front hubs	Nm	240
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	27

Capacities Tempra 1.6ie 1994 to 1997

Engine oil & filter	litres	3.7
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	3.8
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	62

Notes and Illustrations



1581 cm³, 8V