

Engine & Cooling

Fuel

Ignition

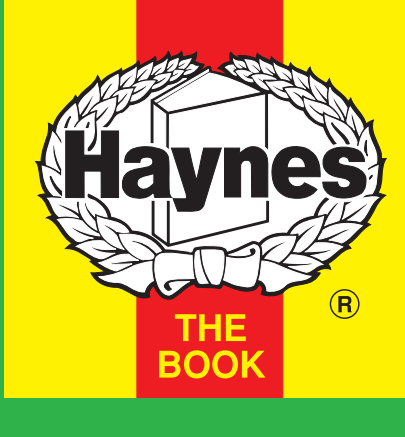
Electrical

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 systemDelta 1.61993 to 1996

Type		835 C1.000 SOHC 8V. 55kW
Capacity (cm³) / number of cylinders		1581 / 4
Compression ratio / pressure	bar	9.2 / _
Oil pressure	bar	0.15 [4.6]
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	85 to 89
Radiator cap pressure	bar	0.98

Fuel systemDelta 1.61993 to 1996

Idle speed - manual [auto]	rpm	850±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.35 Ex N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤90 Ex
CO2 @ idle speed [3000 rpm] - see page VI	%	≥13.0 Ex
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		_ Bosch
Type / ref		MA1.7-Mono-Motronic
Main jet / needle		_
Injection pressure	bar	1.1±0.1
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition systemDelta 1.61993 to 1996

Type		Motronic
Ignition coil		_
Primary resistance	ohms	0.45 to 0.55
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	6±2 BTDC @ 850±50
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		RC7YCC
Electrode gap	mm	0.85 to 0.95

Electrical systemDelta 1.61993 to 1996

Battery	V / CC / RC	12 / 50Ah
Alternator voltage / full load current / engine rpm		12 / 65, 90 / _
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gearDelta 1.61993 to 1996

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

Tyres		
Saloon	Size	185/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0±1
Camber		-15'±30'
Castor		+2°40'±30'
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-0.5±2.0 N/A
Camber		-1°±30' N/A

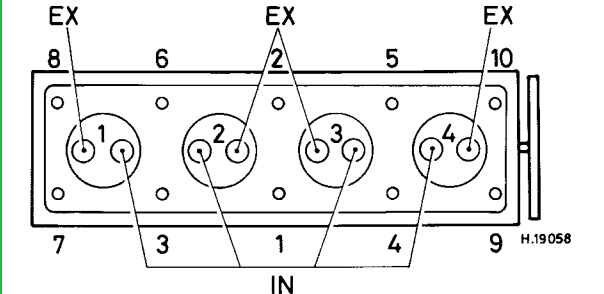
Torque wrench settingsDelta 1.61993 to 1996

Cylinder head - stage 1	Nm	20
- stage 2	Nm	40
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	+90°
Big-end bearings	Nm	51
Main bearings	Nm	80
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	83
Front hubs	Nm	240
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	37

CapacitiesDelta 1.61993 to 1996

Engine oil & filter	litres	3.7
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.5
Fuel tank	litres	57

Notes and Illustrations



1581 cm³