

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 1.81993 to 1996

Type		835 C2.000 DOHC 8V. 76kW
Capacity (cm³) / number of cylinders		1756 / 4
Compression ratio / pressure	bar	9.5 / _
Oil pressure	bar	1.4 [4.8]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.43±0.04
Valve clearance - exhaust	mm	0.48±0.04
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	81 to 85
Radiator cap pressure	bar	0.98

Fuel systemDelta 1.81993 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		_Weber-Marelli
Type / ref		IAW 8F.52 MPI
Main jet / needle		_
Injection pressure	bar	2.5
Pump pressure	bar	_
Octane rating	RON	95[U]

Ignition systemDelta 1.81993 to 1996

Type		IAW Static
Ignition coil		Magneti Marelli
Primary resistance	ohms	0.495 to 0.605
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	10±3 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		RN7YCC
Electrode gap	mm	0.85 to 0.95

Electrical systemDelta 1.81993 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 1.81993 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±1.0
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

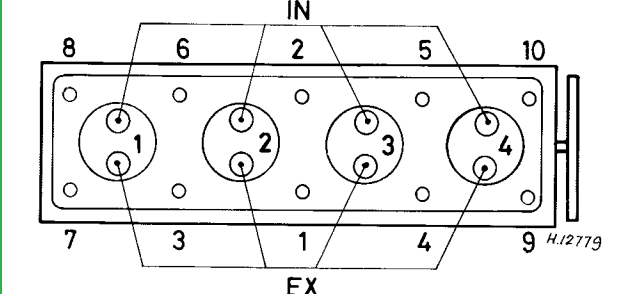
Torque wrench settingsDelta 1.81993 to 1996

Cylinder head - stage 1	Nm	20
- stage 2	Nm	60
Cylinder head - stage 3	Nm	+90°
- stage 4	Nm	+90°
Big-end bearings	Nm	25 + 50°
Main bearings	Nm	20 + 90°. Centre: 20 + 130°
Clutch cover	Nm	_
Flywheel [driveplate]	Nm	142
Front hubs	Nm	240
Rear hubs	Nm	280
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	27

CapacitiesDelta 1.81993 to 1996

Engine oil & filter	litres	5.2
Gearbox - 4-speed [5-speed]	litres	2.0
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.9
Fuel tank	litres	57

Notes and Illustrations



1756 cm³