

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 systemDedra 2.0ie1990 to 1992

Type		835 A5.000 DOHC 86kW
Capacity (cm ³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	9.5±0.15 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.40±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	83±2
Radiator cap pressure	bar	0.98

Fuel systemDedra 2.0ie1990 to 1992

Idle speed - manual [auto]	rpm	820±50. 91 ►: 850±30
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5+0.5 N/A
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-Marelli
Type / ref		IAW MPI 04K
Main jet / needle		_
Injection pressure	bar	2.5-0.2
Pump pressure	bar	≤4.5
Octane rating	RON	95[E 95 RON]

Ignition systemDedra 2.0ie1990 to 1992

Type		Computerized
Ignition coil		Marelli BAE 504DK
Primary resistance	ohms	0.41 to 0.50
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	15±2 BTDC @ 820±50
V = Vacuum NV = No Vacuum		_
Total ignition advance	° Crankshaft @ rpm	_
	° 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		Bosch/Champion
Type		WR6DC / RN7YC
Electrode gap	mm	0.70 to 0.80

Electrical systemDedra 2.0ie1990 to 1992

Battery	V / CC / RC	12 / 225 / 45Ah
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / 70, 90 / 3500
Starter motor current / voltage - cranking	A / V	360 to 380 / 8.2
- locked	A / V	680 to 700 / 4.9

Running gearDedra 2.0ie1990 to 1992

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 / 2.1
- Estate / Van	bar	_

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +1.0
Camber		+25'±30' N/A
Castor		+2°50'±30'N/A
King pin inclination		_

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-2.5 to +1.5
Camber		-1°30'±30' N/A

Torque wrench settingsDedra 2.0ie1990 to 1992

Cylinder head - stage 1	Nm	40
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	_
Big-end bearings	Nm	20 + 50°
Main bearings	Nm	20 + 130° ¹
Clutch cover	Nm	38
Flywheel [driveplate]	Nm	142
Front hubs	Nm	450 ²
Rear hubs	Nm	320
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	25 to 30

CapacitiesDedra 2.0ie1990 to 1992

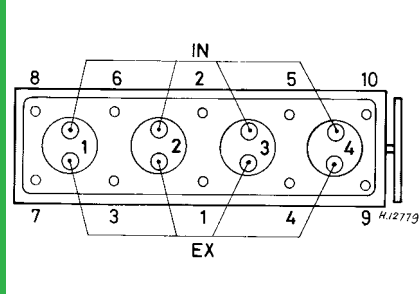
Engine oil & filter	litres	5.2
Gearbox - 4-speed [5-speed]	litres	1.4
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.9
Fuel tank	litres	63

Notes and Illustrations

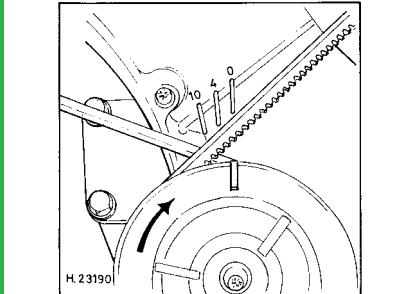
¹Centre bearing only. Others: 20 + 90°

²Nuts with integral washers: 280

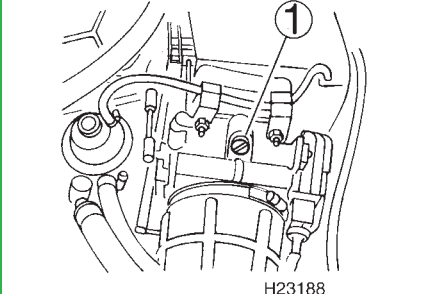
1: Idle speed2: CO / Mixture



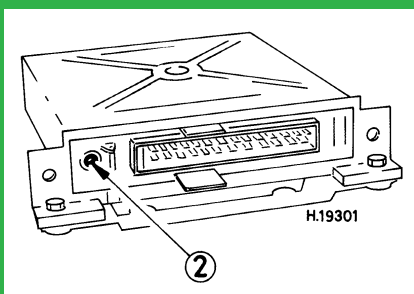
1995 cm³, 8V



1995 cm³, 8V



Weber IAW



Weber IAW