

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 system80, S21993 to 1995

Type		ABY 169kW DOHC 20V
Capacity (cm³) / number of cylinders		2226 / 5
Compression ratio / pressure	bar	9.3 / ≥7.0
Oil pressure	bar	[2.0]
Oil temperature	°C	80
Valve clearance - inlet	mm	0: Hyd.
Valve clearance - exhaust	mm	0: Hyd.
Firing order		1-2-4-5-3
No 1 cylinder position		TBE
Thermostat opening temperature	°C	87
Radiator cap pressure	bar	1.2 to 1.5

Fuel system80, S21993 to 1995

Idle speed - manual [auto]	rpm	800±30 N/A
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	≤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		Bosch
Type / ref		Motronic plus Turbo
Main jet / needle		—
Injection pressure	bar	3.4 to 3.7
Pump pressure	bar	4.0 to 4.2
Octane rating	RON	95[U]

Ignition system80, S21993 to 1995

Type		Motronic Static
Ignition coil		Bosch 1 coil per cylinder
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	° Crankshaft @ rpm	N/A
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
Type		F5DPOR
Electrode gap	mm	0.60 to 0.70

Electrical system80, S21993 to 1995

Battery	V / CC / RC	12 / 300 / 63Ah
Alternator voltage / full load current / engine rpm		12.5 to 14.5 / _ / 3000
Starter motor current / voltage - cranking	A / V	—
- locked	A / V	—

Running gear80, S21993 to 1995

Brakes -		
Front (min. friction material thickness)	mm	2.0
Rear (min. friction material thickness)	mm	2.0

Tyres		
Saloon	Size	205/55x16
Estate / Van	Size	205/55x16
Pressure - front / rear - Saloon	bar	2.4 / 2.4
- Estate / Van	bar	2.4 / 2.4

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	[+10'±10']
Camber		-45'±30'
Castor		+2°10'±30'
King pin inclination		—

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	[+10'±10']
Camber		-40'±30'

Torque wrench settings80, S21993 to 1995

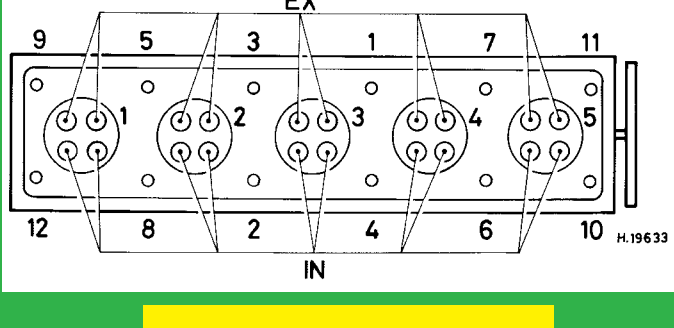
Cylinder head - stage 1	Nm	40 N
- stage 2	Nm	60
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
Big-end bearings	Nm	30 + 90°
Main bearings	Nm	65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	70 LkC
Front hubs	Nm	M14: 120 + 90° ¹
Rear hubs	Nm	As front
Wheel nuts / bolts	Nm	110
Spark plugs	Nm	30

Capacities80, S21993 to 1995

Engine oil & filter	litres	4.5
Gearbox - 4-speed [5-speed]	litres	3.5 +0.1 additive
Automatic transmission - refill	litres	—
Final drive	litres	Rear: 1.5
Cooling system	litres	8.5
Fuel tank	litres	70

Notes and Illustrations

¹M16: 200 + 90°



2226 cm³, 20V