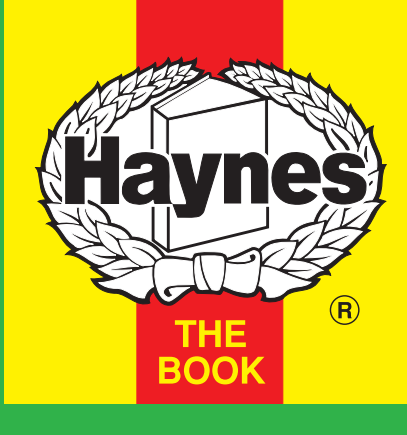


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive
Technical
DATA
BOOK

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
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Engine and cooling system216 EFi1985 to 1989

Type		16H
Capacity (cm³) / number of cylinders		1598 / 4
Compression ratio / pressure	bar	9.6 / 10.3
Oil pressure	bar	1.0 to 1.3
Oil temperature	°C	—
Valve clearance - inlet	mm	0.35 to 0.38¹
Valve clearance - exhaust	mm	0.43 to 0.46¹
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	88
Radiator cap pressure	bar	1.04

Fuel system216 EFi1985 to 1989

Idle speed - manual [auto]	rpm	710±50 (ECU control)²
Fast idle speed - manual [auto]	rpm	—
CO @ idle speed [3000 rpm] - see page VI	%	1.0 to 1.5
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		Lucas-Bosch
Type / ref		Type LH
Main jet / needle		—
Injection pressure	bar	1.8 to 2.5
Pump pressure	bar	4.1
Octane rating	RON	97[L]

Ignition system216 EFi1985 to 1989

Type		Computerized
Ignition coil		Unipart GCL 141
Primary resistance	ohms	0.71 to 0.81
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Lucas
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Anticlockwise
Ignition timing - basic [static	° Crankshaft @ rpm	20 BTDC @ 750
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		Unipart/Champion
Type		GSP4662 / RC9YC
Electrode gap	mm	1.0

Electrical system216 EFi1985 to 1989

Battery	V / CC / RC	12 / 280 / 50
Alternator voltage / full load current / engine rpm		14.0 / _ / 3000
Starter motor current / voltage - cranking	A / V	65 /
- locked	A / V	425 to 450 / 7.0

Running gear216 EFi1985 to 1989

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	2.0

Tyres		
Saloon	Size	165x13: 175/65x14
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.9 / 1.8
- Estate / Van	bar	—

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0±2.0
Camber		0±1°
Castor		+2°25'±1°
King pin inclination		+12°45'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	+2.0±2.0 PW
Camber		-0°45'±15'

Torque wrench settings216 EFi1985 to 1989

Cylinder head - stage 1	Nm	40
- stage 2	Nm	81
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	—
Big-end bearings	Nm	45
Main bearings	Nm	90
Clutch cover	Nm	23
Flywheel [driveplate]	Nm	58
Front hubs	Nm	185
Rear hubs	Nm	185
Wheel nuts / bolts	Nm	81
Spark plugs	Nm	18

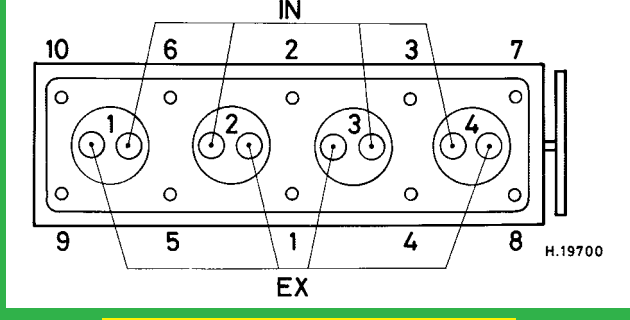
Capacities216 EFi1985 to 1989

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.2
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	6.4
Fuel tank	litres	46

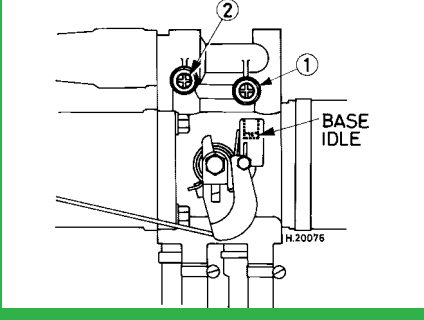
Notes and Illustrations

¹Adjust only if less than 0.30
²650 to 680, setting with air valve closed

1: Idle speed2: CO / Mixture



1598 cm³



Lucas-Bosch LH