

Engine & Cooling

Fuel

Ignition

Electrical

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Notes & Illustrations



Automotive Technical
DATA BOOK

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HELP

Engine and cooling system2131984 to 1989

Type		EV2
Capacity (cm ³) / number of cylinders		1342 / 4
Compression ratio / pressure	bar	8.7 / 10.3
Oil pressure	bar	0.7 [3.7 to 4.5]
Oil temperature	°C	—
Valve clearance - inlet	mm	0.20±0.03
Valve clearance - exhaust	mm	0.25±0.03
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	91
Radiator cap pressure	bar	0.75 to 1.05

Fuel system2131984 to 1989

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	2000±500
CO @ idle speed [3000 rpm] - see page VI	%	0.2 to 1.0
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		—
Type / ref		—
Main jet / needle		—
Injection pressure	bar	—
Pump pressure	bar	0.19 to 0.26
Octane rating	RON	90[E 91 RON]

Ignition system2131984 to 1989

Type		Electronic
Ignition coil		—
Primary resistance	ohms	1.24 to 1.46
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		—
Points gap (air gap)	mm	[All equal]
Dwell angle	° (%)	—
Condenser capacity	µF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	17±2 BTDC @ idle
V = Vacuum NV = No Vacuum		V
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	8 to 12 @ 2000
	° Crankshaft @ rpm	18 to 21 @ 3000
	° Crankshaft @ rpm	28 to 32 @ 5500
Vacuum range check	mbar	73 to 373
Maximum vacuum advance	° Crankshaft	18 to 22
Spark plugs		Unipart/Champion
Type		GSP4462 / RN9YC
Electrode gap	mm	1.0

Electrical system2131984 to 1989

Battery	V / CC / RC	12 / 280 / 50
Alternator voltage / full load current / engine rpm		13.9 to 15.1 / _ / 3000
Starter motor current / voltage - cranking	A / V	200 / 8.0
- locked	A / V	—

Running gear2131984 to 1989

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

Tyres		
Saloon	Size	155x13: 165x13
Estate / Van	Size	—
Pressure - front / rear - Saloon	bar	1.8 / 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'

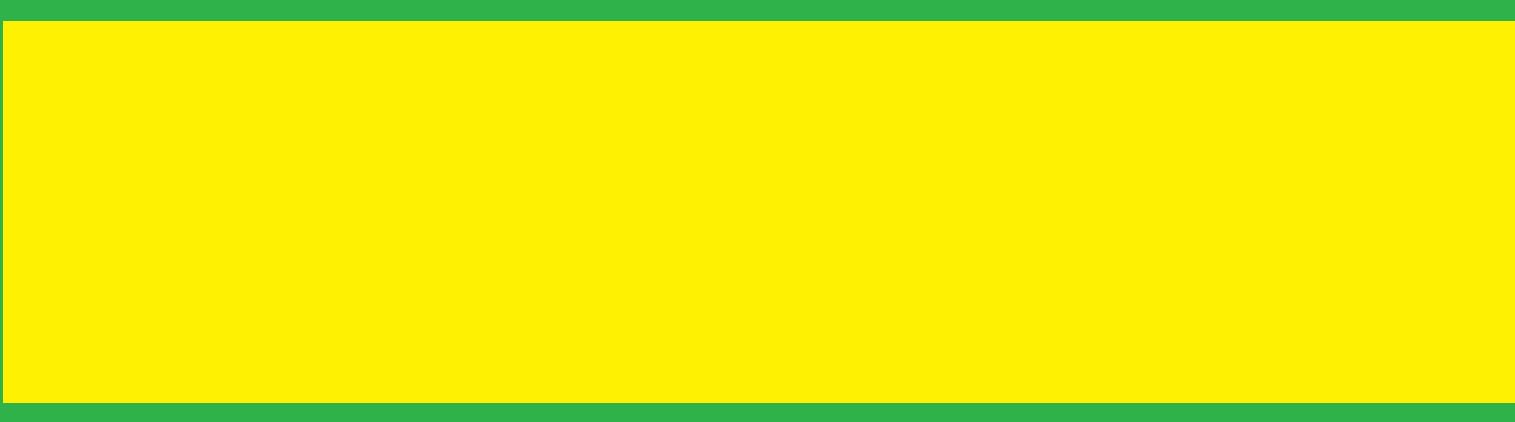
Torque wrench settings2131984 to 1989

Cylinder head - stage 1	Nm	30
- stage 2	Nm	60
Cylinder head - stage 3	Nm	—
- stage 4	Nm	—
Big-end bearings	Nm	28
Main bearings	Nm	50
Clutch cover	Nm	26
Flywheel [driveplate]	Nm	120
Front hubs	Nm	185
Rear hubs	Nm	185
Wheel nuts / bolts	Nm	81
Spark plugs	Nm	18

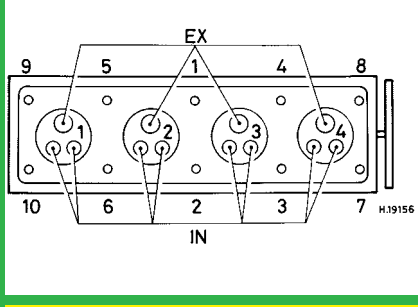
Capacities2131984 to 1989

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	2.3
Automatic transmission - refill	litres	2.4
Final drive	litres	WT
Cooling system	litres	4.5
Fuel tank	litres	46

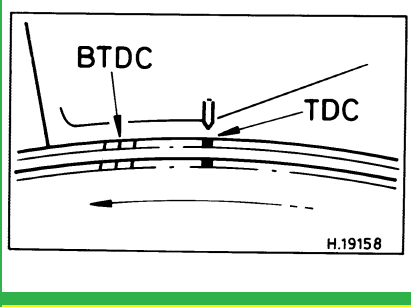
Notes and Illustrations



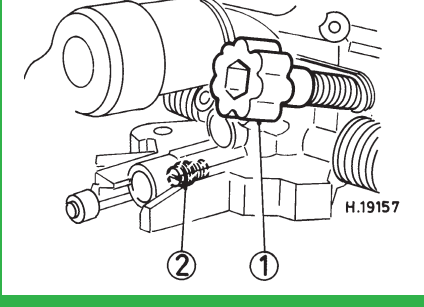
1: Idle speed 2: CO / Mixture



1342 cm³



1342 cm³



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