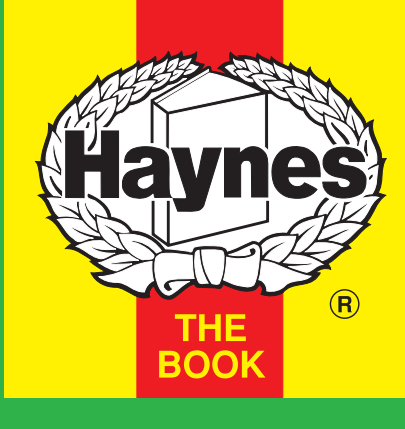


Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustrations
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Automotive Technical
DATA BOOK

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 systemStrada 85 AT1985 to 1988

Type		138 B3.000
Capacity (cm³) / number of cylinders		1498 / 4
Compression ratio / pressure	bar	9.2 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.40
Valve clearance - exhaust	mm	0.50
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	83 to 87
Radiator cap pressure	bar	0.98

Fuel systemStrada 85 AT1985 to 1988

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.0±0.5
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		Solex/Weber
Type / ref		S: C32-34 CIC. W: 32-34DMTR
Main jet / needle		100, 105
Injection pressure	bar	_
Pump pressure	bar	0.18
Octane rating	RON	98[L]

Ignition systemStrada 85 AT1985 to 1988

Type		Digiplex
Ignition coil		Marelli BAE 209 B
Primary resistance	ohms	0.31 to 0.38
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	10 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	42±2 @ 4500
	° 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 systemStrada 85 AT1985 to 1988

Battery	V / CC / RC	12 / 175 / 60
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / _ / 3500
Starter motor current / voltage - cranking	A / V	200 / 10
- locked	A / V	400 / 7.8 to 8.3

Running gearStrada 85 AT1985 to 1988

Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres		
Saloon	Size	165/70x13
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.9 / 1.8
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +1.0
Camber		+1°30' to 2°30'
Castor		+50' to 1°50'
King pin inclination		_

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	0 to +4.0
Camber		+30' to -30'

Torque wrench settingsStrada 85 AT1985 to 1988

Cylinder head - stage 1	Nm	20 ¹
- stage 2	Nm	40 ¹
Cylinder head - stage 3	Nm	+ 90 ^{°1}
- stage 4	Nm	+ 90 ^{°1}
Big-end bearings	Nm	51
Main bearings	Nm	80
Clutch cover	Nm	16
Flywheel [driveplate]	Nm	83
Front hubs	Nm	216
Rear hubs	Nm	216
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	25 to 30

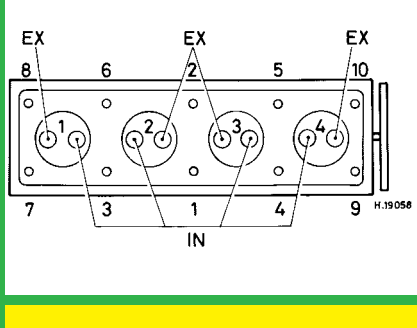
CapacitiesStrada 85 AT1985 to 1988

Engine oil & filter	litres	4.1
Gearbox - 4-speed [5-speed]	litres	_
Automatic transmission - refill	litres	3.0
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	55

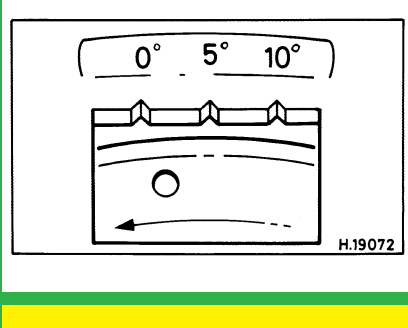
Notes and Illustrations

¹Additional bolts: 30

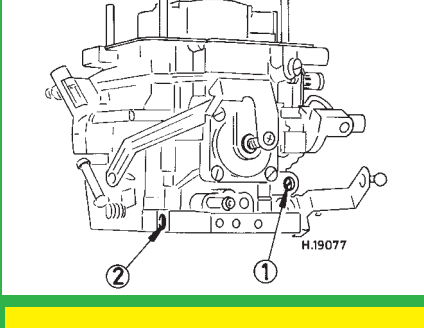
1: Idle speed 2: CO / Mixture



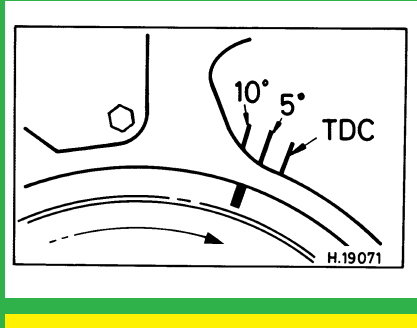
1498 cm³



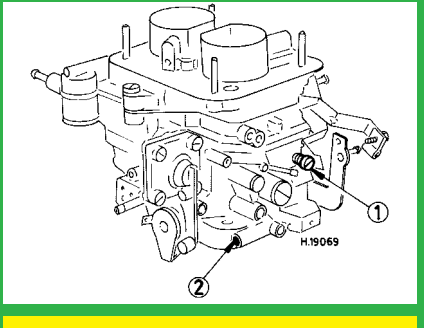
1498 cm³



Solex CIC



1498 cm³, alternative



Weber DMTR