

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

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HELP

## Engine and cooling system Strada 85 1985 to 1988

Type		149 A5.000
Capacity (cm <sup>3</sup> ) / number of cylinders		1498 / 4
Compression ratio / pressure	bar	9.5 / _
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 system Strada 85 1985 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
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Weber
Type / ref		32-34 TLDE 2/150
Main jet / needle		100, 105 or 115, 140
Injection pressure	bar	_
Pump pressure	bar	0.18
Octane rating	RON	98[L]

## Ignition system Strada 85 1985 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	12 BTDC @ 850±50
V = Vacuum  NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	42±2 @ 4500
Centrifugal check.	° Crankshaft @ rpm	Computer control
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 system Strada 85 1985 to 1988

Battery	V / CC / RC	12 / 175 / 60
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / _ / 3000
Starter motor current / voltage - cranking	A / V	200 / 10
- locked	A / V	400 / 7.8 to 8.3

## Running gear Strada 85 1985 to 1988

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

<b>Tyres</b>		
Saloon	Size	165/70x13; 165/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	2.0 / 1.9
- Estate / Van	bar	_

## Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-1.0 to +1.0
Camber		+1°15' to 2°15'
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 settings Strada 85 1985 to 1988

Cylinder head - stage 1	Nm	20 <sup>1</sup>
- stage 2	Nm	40 <sup>1</sup>
Cylinder head - stage 3	Nm	+ 90 <sup>°1</sup>
- stage 4	Nm	+ 90 <sup>°1</sup>
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

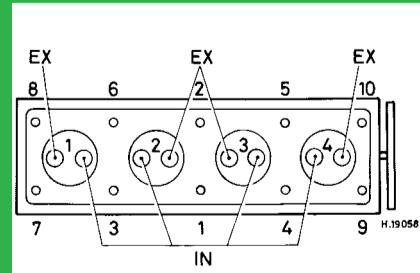
## Capacities Strada 85 1985 to 1988

Engine oil & filter	litres	4.1
Gearbox - 4-speed [5-speed]	litres	3.3
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.0
Fuel tank	litres	55

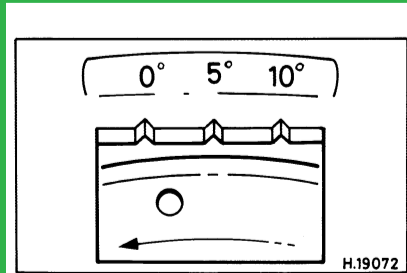
## Notes and Illustrations

<sup>1</sup>Additional bolts: 30

1: Idle speed    2: CO / Mixture



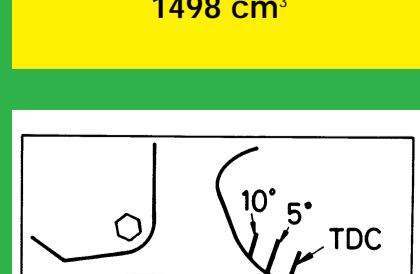
1498 cm<sup>3</sup>



1498 cm<sup>3</sup>



Weber TLDE



1498 cm<sup>3</sup>, alternative



Weber TLDE