

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 systemStrada 701985 to 1988

Type		1149 A7.003
Capacity (cm³) / number of cylinders		1299 / 4
Compression ratio / pressure	bar	9.4 / _
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 701985 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: C30-32CIC. W: 30-32 DMTE
Main jet / needle		S: 101, 105. W: 91, 100
Injection pressure	bar	_
Pump pressure	bar	0.18
Octane rating	RON	98[L]

Ignition systemStrada 701985 to 1988

Type		Electronic
Ignition coil		Marelli BAE 506 A
Primary resistance	ohms	0.76 to 0.92
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Marelli
Points gap (air gap)	mm	[0.30 to 0.40]
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	_
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 800 to 1600
	° Crankshaft @ rpm	9 to 13 @ 3000
	° Crankshaft @ rpm	22 to 26 @ 4800
Vacuum range check	mbar	107 to 267
Maximum vacuum advance	° Crankshaft	10 to 14
Spark plugs		Bosch/Champion
Type		WR7DC / RN9YC
Electrode gap	mm	0.70 to 0.80

Electrical systemStrada 701985 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	170 / 9.4 to 10.3
- locked	A / V	310 / 7.5

Running gearStrada 701985 to 1988

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

Tyres		
Saloon	Size	165/70x13: 165/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.9 / 1.8¹
- 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 701985 to 1988

Cylinder head - stage 1	Nm	20
- stage 2	Nm	40
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	+ 90°
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

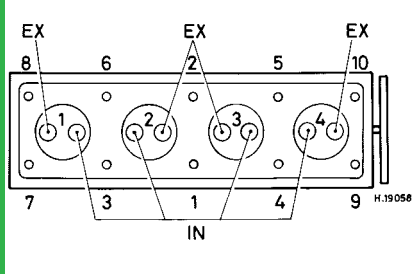
CapacitiesStrada 701985 to 1988

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	6.9
Fuel tank	litres	55

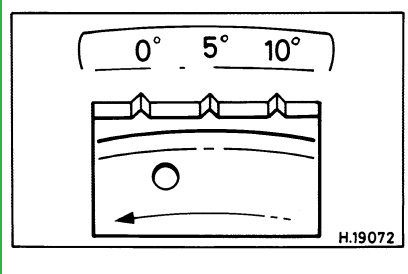
Notes and Illustrations

¹165/65x14: 2.0 / 1.9

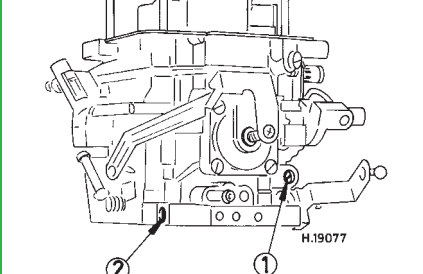
1: Idle speed 2: CO / Mixture



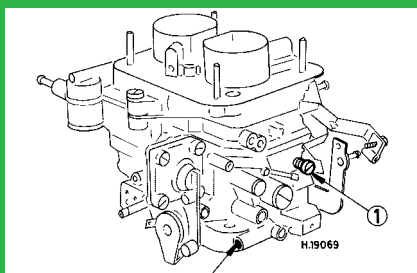
1299 cm³



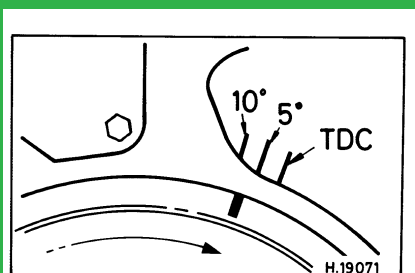
1299 cm³



Solex CIC



Weber DMTE



1299 cm³, alternative