

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 Abarth 130 TC 1984 to 1988

Type		138 AR2.000
Capacity (cm ³) / number of cylinders		1995 / 4
Compression ratio / pressure	bar	9.45 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.45
Valve clearance - exhaust	mm	0.50
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	77 to 81
Radiator cap pressure	bar	0.78

Fuel system Strada Abarth 130 TC 1984 to 1988

Idle speed - manual [auto]	rpm	850±50
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤3.5
HC @ idle speed [3000 rpm] - see page VI	ppm	≤1200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Solex/Weber
Type / ref		S: C 40 ADDHE. W: 40 DCOE
Main jet / needle		S: 145, 145. W: 138, 138
Injection pressure	bar	_
Pump pressure	bar	0.15 to 0.40
Octane rating	RON	98[L]

Ignition system Strada Abarth 130 TC 1984 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/Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		_
Ignition timing - basic [static	° Crankshaft @ rpm	10±2 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
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		Marelli/Champion
Type		CW8LPR / RN7YC
Electrode gap	mm	0.70 to 0.80

Electrical system Strada Abarth 130 TC 1984 to 1988

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm		14.0 to 14.3 / _ / 3000
Starter motor current / voltage - cranking	A / V	270 / 9.4
- locked	A / V	550 / 7

Running gear Strada Abarth 130 TC 1984 to 1988

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

Tyres		
Saloon	Size	185/60x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.8 / 1.9
- Estate / Van	bar	_

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	-3.0 to -1.0 ¹
Camber		0 to +40 ²
Castor		0 to +1 ³
King pin inclination		_

Rear suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+2.0 to 4.0 ⁴
Camber		-2° to -3°

Torque wrench settings Strada Abarth 130 TC 1984 to 1988

Cylinder head - stage 1	Nm	40
- stage 2	Nm	+ 90°
Cylinder head - stage 3	Nm	+ 90°
- stage 4	Nm	_
Big-end bearings	Nm	74
Main bearings	Nm	Front: 80. Others: 113
Clutch cover	Nm	38
Flywheel [driveplate]	Nm	142
Front hubs	Nm	314
Rear hubs	Nm	216
Wheel nuts / bolts	Nm	86
Spark plugs	Nm	25 to 30

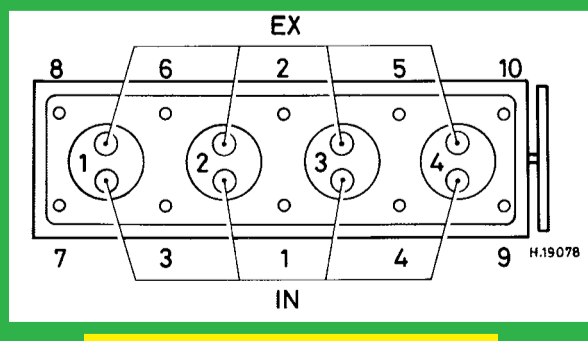
Capacities Strada Abarth 130 TC 1984 to 1988

Engine oil & filter	litres	Steel sump: 4.8 ⁵
Gearbox - 4-speed [5-speed]	litres	3.3
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	7.5
Fuel tank	litres	55

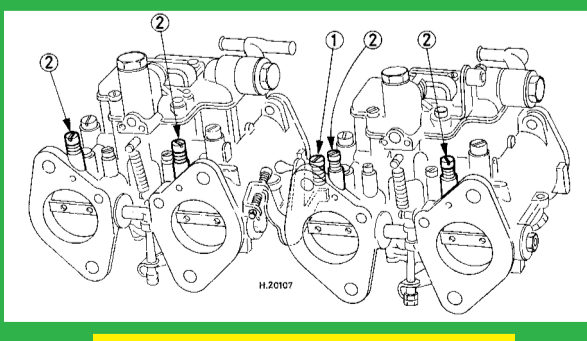
Notes and Illustrations

- ¹Shock absorbers with 3 nuts: -3.0 to +1.0
- ²Shock absorbers with 3 nuts: -50' to +10'
- ³Shock absorbers with 3 nuts: -5' to +55'
- ⁴Shock absorbers with 3 nuts: +1.0 to 5.0
- ⁵Aluminium sump: 4.4

1: Idle speed 2: CO / Mixture



1995 cm³



Solex ADDHE / Weber DCOE