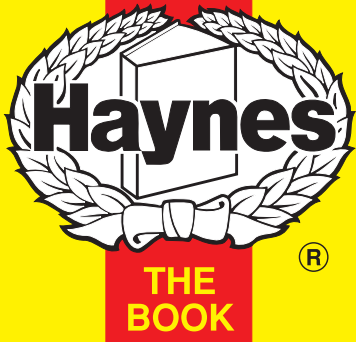


Engine & CoolingFuelIgnitionElectricalRunning gearTorque settingsCapacitiesNotes & Illustrations



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.

MENUHELP

Engine and cooling system

Strada Abarth 130 TC1984 to 1988

Type		138 AR2.000
Capacity (cm³) / 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 TC1984 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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ 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 TC1984 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 TC1984 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 TC1984 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 TC1984 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 TC1984 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

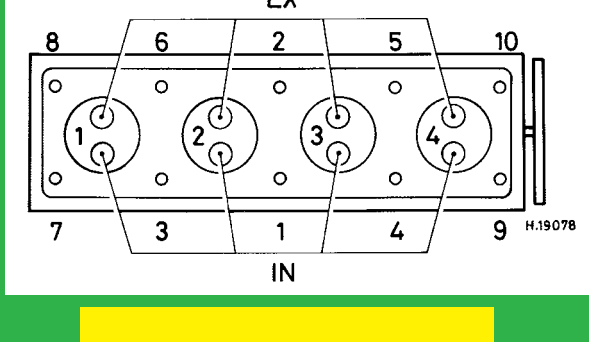
²Shock absorbers with 3 nuts: -50' to +10'

³Shock absorbers with 3 nuts: -5' to +55'

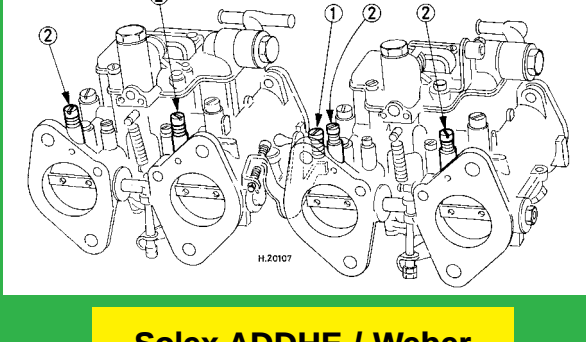
⁴Shock absorbers with 3 nuts: +1.0 to 5.0

⁵Aluminium sump: 4.4

1: Idle speed 2: CO / Mixture



1995 cm³



Solex ADDHE / Weber
DCOE