

Engine & Cooling

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Automotive Technical
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Engine and cooling system

Trafic T1100 fwd CAT (Txx8)

1991 to 1993

Type		F1N-7-24
Capacity (cm³) / number of cylinders		1721 / 4
Compression ratio / pressure	bar	9.2 / _
Oil pressure	bar	2.0 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.40
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	_
Radiator cap pressure	bar	0.8 to 1.2

Fuel system

Trafic T1100 fwd CAT (Txx8)

1991 to 1993

Idle speed - manual [auto]	rpm	700±25. SEIA 979: 750±25
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	1.5±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
Type / ref		35SEIA 870 or 979
Main jet / needle		127.5
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	95[U]

Ignition system

Trafic T1100 fwd CAT (Txx8)

1991 to 1993

Type		Electronic
Ignition coil		_
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Ducellier
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	_
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	RE260
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 to 1 @ 750
	° Crankshaft @ rpm	5 to 8 @ 1550
	° Crankshaft @ rpm	25 to 29 @ 4050
Vacuum range check	mbar	0 to 300
Maximum vacuum advance	° Crankshaft	≥8
Spark plugs		Champion
Type		N279YC
Electrode gap	mm	0.75 to 0.85

Electrical system

Trafic T1100 fwd CAT (Txx8)

1991 to 1993

Battery	V / CC / RC	12 / 255 / 85
Alternator voltage / full load current / engine rpm		13.5 to 15.0 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	460 / _

Running gear

Trafic T1100 fwd CAT (Txx8)

1991 to 1993

Brakes -		
Front (min. friction material thickness)	mm	9.0 with backing
Rear (min. friction material thickness)	mm	5.0 with backing

Tyres		
Saloon	Size	_
Estate / Van	Size	175x14
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	3.8 / 3.8

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0
Camber		+1°±30'
Castor		+1°30'±30'
King pin inclination		+9°±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	0 to +3.0
Camber		0 to +30'

Torque wrench settings

Trafic T1100 fwd CAT (Txx8)

1991 to 1993

Cylinder head - stage 1	Nm	30
- stage 2	Nm	70, leave for 3+ minutes
Cylinder head - stage 3	Nm	Slacken, then 20
- stage 4	Nm	+ 123±2°
Big-end bearings	Nm	45 to 50
Main bearings	Nm	60 to 65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	50 to 55
Front hubs	Nm	190 to 210
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110 to 130
Spark plugs	Nm	_

Capacities

Trafic T1100 fwd CAT (Txx8)

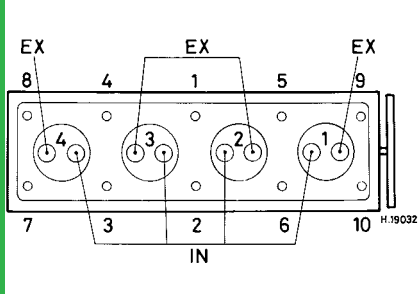
1991 to 1993

Engine oil & filter	litres	5.2
Gearbox - 4-speed [5-speed]	litres	1.7 [1.8]
Automatic transmission - refill	litres	_
Final drive	litres	1.5. Cooler: 1.3
Cooling system	litres	7.1
Fuel tank	litres	60

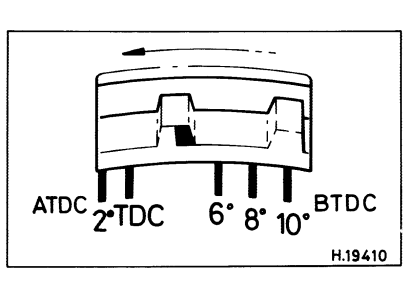
Notes and Illustrations



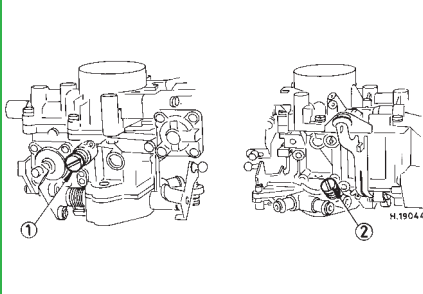
1: Idle speed 2: CO / Mixture



1721 cm³



1721 cm³



Solex 35 SEIA