

Engine & Cooling

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Automotive Technical
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Engine and cooling system

Trafic T900 fwd (Txx0)

1989 to 1992

Type		C1J-N7-00
Capacity (cm³) / number of cylinders		1397 / 4
Compression ratio / pressure	bar	8.25 / _
Oil pressure	bar	0.7 [3.5]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.15
Valve clearance - exhaust	mm	0.20
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 T900 fwd (Txx0)

1989 to 1992

Idle speed - manual [auto]	rpm	700±25. V10427: 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		Zenith
Type / ref		32 IF7 V10424 or V10427
Main jet / needle		130 or 126. V10427: 120 or 122
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	90[E 95 RON]

Ignition system

Trafic T900 fwd (Txx0)

1989 to 1992

Type		Contact breaker - CIS
Ignition coil		_
Primary resistance	ohms	_
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor		Ducellier
Points gap (air gap)	mm	0.40
Dwell angle	° (%)	57±3 (63±3)
Condenser capacity	µF	_
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	6±1 BTDC @ 700
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	R249-D59. 91 ►: R351-D59
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 @ 1380. R351: 0 @ 1460
	° Crankshaft @ rpm	8 to 12, R351: 4 to 8 @ 2000
	° Crankshaft @ rpm	34 to 38 @ 3640¹
Vacuum range check	mbar	100 to 485
Maximum vacuum advance	° Crankshaft	13 to 17
Spark plugs		AC/Champion
Type		43XLS / N9YC
Electrode gap	mm	0.55 to 0.65

Electrical system

Trafic T900 fwd (Txx0)

1989 to 1992

Battery	V / CC / RC	12 / 190 / 65
Alternator voltage / full load current / engine rpm		13.5 to 15.0 / _ / 3000
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	360 to 400 / _

Running gear

Trafic T900 fwd (Txx0)

1989 to 1992

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	165x14
Pressure - front / rear - Saloon	bar	_
- Estate / Van	bar	2.9 / 2.9²

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 T900 fwd (Txx0)

1989 to 1992

Cylinder head - stage 1	Nm	55 to 65
- stage 2	Nm	_
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	45
Main bearings	Nm	55 to 65
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	50
Front hubs	Nm	190 to 210
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110 to 130
Spark plugs	Nm	_

Capacities

Trafic T900 fwd (Txx0)

1989 to 1992

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	1.7 [1.8]
Automatic transmission - refill	litres	_
Final drive	litres	1.5
Cooling system	litres	6.0. 91 ►: 6.5
Fuel tank	litres	60

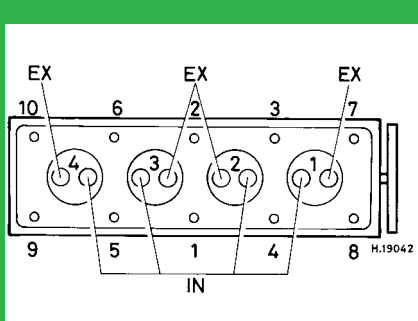
Notes and Illustrations

¹R351: 25 to 29 @ 3800

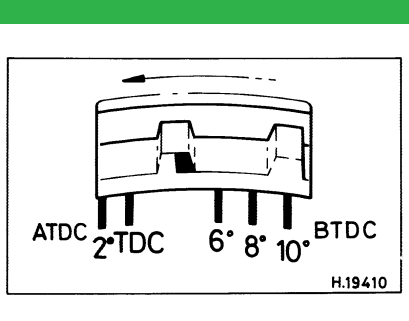
²91 ►: 3.8 / 3.8

1: Idle speed

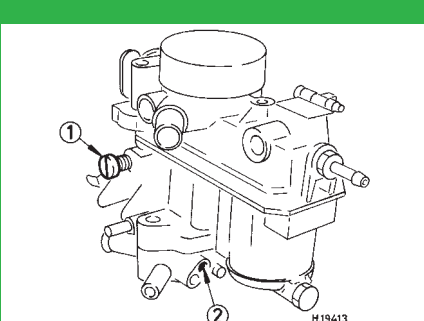
2: CO / Mixture



1397 cm³



1397 cm³



Zenith 32 IF7