Haynes THE BOOK

Automotive Technical

DATA BOOK

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Engine and cooling system

		Trafic 2.2i & 4x4 CAT (T/VxxA) 1991 to 1996
Type		J7T-7-80
Capacity (cm³) / number of cylinders		2165 / 4
Compression ratio / pressure	bar	8.6 / _
Oil pressure	bar	0.8 [3.0]
Oil temperature	ºC	80
Valve clearance - inlet	mm	0.10 to 0.15
Valve clearance - exhaust	mm	0.20 to 0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	ºC	81 to 93
Radiator cap pressure	bar	0.8 to 1.2

Fuel system

		Trafic 2.2i & 4x4 CAT (T/VxxA) 1991 to 1996
Idle speed - manual [auto]	rpm	800±50 N/A
Fast idle speed - manual [auto]	rpm	_
CO @ idle speed [3000 rpm] - see page VI	%	≤0.5 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤100
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection		Bendix
Type / ref		Renix MPI
Main jet / needle		_
Injection pressure	bar	_
Pump pressure	bar	2.5±0.2
Octane rating	RON	95[U]

Ignition system

		Trafic 2.2i & 4x4 CAT (T/VxxA) 1991 to 1996
Type		Renix - AEI
Ignition coil		Bendix
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	º (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	º Crankshaft @ rpm	Computer control
V = Vacuum NV = No Vacuum		_
Total ignition advance	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	Computer control
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Vacuum range check	mbar	Computer control
Maximum vacuum advance	º Crankshaft	_
Spark plugs		Eyquem
Type		C52LJS
Electrode gap	mm	0.75 to 0.85

Electrical system

		Trafic 2.2i & 4x4 CAT (T/VxxA) 1991 to 1996
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	380 / _

Running gear

		Trafic 2.2i & 4x4 CAT (T/VxxA) 1991 to 1996
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	WSM
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	-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 [º]	0 to +3.0
Camber		0 to +30'

Torque wrench settings

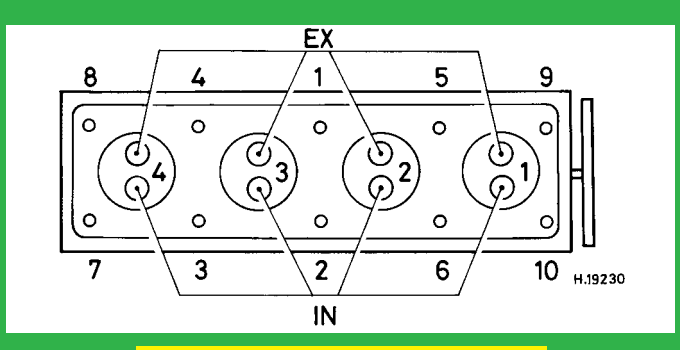
		Trafic 2.2i & 4x4 CAT (T/VxxA) 1991 to 1996
Cylinder head - stage 1	Nm	88 to 98
- stage 2	Nm	_
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	60 to 65
Main bearings	Nm	88 to 98
Clutch cover	Nm	25
Flywheel [driveplate]	Nm	60
Front hubs	Nm	190 to 210
Rear hubs	Nm	WSM
Wheel nuts / bolts	Nm	110 to 130
Spark plugs	Nm	_

Capacities

		Trafic 2.2i & 4x4 CAT (T/VxxA) 1991 to 1996
Engine oil & filter	litres	5.0
Gearbox - 4-speed [5-speed]	litres	1.7 [1.8][1]
Automatic transmission - refill	litres	_
Final drive	litres	4x4: 1.3
Cooling system	litres	7.6
Fuel tank	litres	60. 4x4: 70

Notes and Illustrations

[1]**4x4: 2.0**



2165 cm³