

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 21, 1.7 (X482/484) 1988 to 1993

Type	F2N-7-54 or F2N-7-11 69kW ¹	
Capacity (cm ³) / number of cylinders	1721 / 4	
Compression ratio / pressure	bar	9.5 / _
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	89 to 101
Radiator cap pressure	bar	1.2

Fuel system 21, 1.7 (X482/484) 1988 to 1993

Idle speed - manual [auto]	rpm	800±50
Fast idle speed - manual [auto]	rpm	950±50. A/c: 975±25
CO @ idle speed [3000 rpm] - see page VI	%	≤0.3 N/A
HC @ idle speed [3000 rpm] - see page VI	ppm	≤200
CO ₂ @ idle speed [3000 rpm] - see page VI	%	_
O ₂ @ idle speed [3000 rpm] - see page VI	%	_
Carburettor / fuel injection	Solex	
Type / ref	28-34 Z13 967/968	
Main jet / needle	115 to 117.5, 137.5 ²	
Injection pressure	bar	_
Pump pressure	bar	0.17 to 0.33
Octane rating	RON	98[E 95 RON]

Ignition system 21, 1.7 (X482/484) 1988 to 1993

Type	AEI	
Ignition coil	Renix	
Primary resistance	ohms	0.4 to 0.8
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	_
Distributor	Renix	
Points gap (air gap)	mm	_
Dwell angle	° (%)	_
Condenser capacity	µF	_
Rotation	_	
Ignition timing - basic [static	° Crankshaft @ rpm	7±2 BTDC @ idle
V = Vacuum NV = No Vacuum	NV	
Total ignition advance	° Crankshaft @ rpm	RE282. F2N-7-11: RE244
	° Crankshaft @ rpm	_
	° Crankshaft @ rpm	_
Centrifugal check.	° Crankshaft @ rpm	0 to 9 @ 750 ³
	° Crankshaft @ rpm	4 to 10 @ 1550 ³
	° Crankshaft @ rpm	18 to 23 @ 4050 ³
Vacuum range check	mbar	0 to 300
Maximum vacuum advance	° Crankshaft	≥6
Spark plugs	AC/Champion	
Type	C41CXLS / N279YC	
Electrode gap	mm	0.75 to 0.85

Electrical system 21, 1.7 (X482/484) 1988 to 1993

Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm	13.5 to 14.8 / _ / 3000	
Starter motor current / voltage - cranking	A / V	_
- locked	A / V	_

Running gear 21, 1.7 (X482/484) 1988 to 1993

Brakes -		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	2.5 with backing

Tyres		
Saloon	Size	175/70x13: 175/65x14
Estate / Van	Size	175/70x13: 175/65x14
Pressure - front / rear - Saloon	bar	2.0 / 2.2
- Estate / Van	bar	2.0 / 2.6

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	-1.0±1.0
Camber		0±30'
Castor		+2°±30'
King pin inclination		+11°40'±30'

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+2.0 to 5.0
Camber		-40'±10'. 89 ▶: -20'±10'

Torque wrench settings 21, 1.7 (X482/484) 1988 to 1993

Cylinder head - stage 1	Nm	30
- stage 2	Nm	70, wait 3 min. Slacken
Cylinder head - stage 3	Nm	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	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	90
Spark plugs	Nm	_

Capacities 21, 1.7 (X482/484) 1988 to 1993

Engine oil & filter	litres	5.2
Gearbox - 4-speed [5-speed]	litres	3.3 [3.4]
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	5.2. 6.89 ▶: 6.4
Fuel tank	litres	66

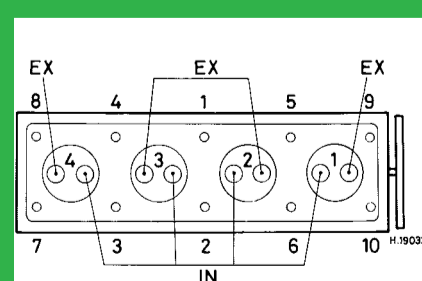
Notes and Illustrations

¹B/K/L484: F2N-7-58

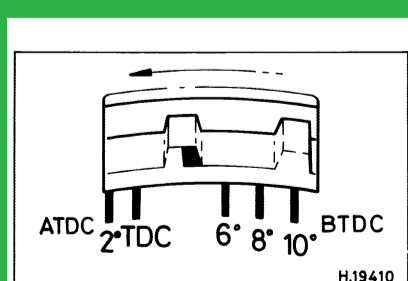
²Z13 968: 120 to 122.5, 137.5

³RE244: Computer control

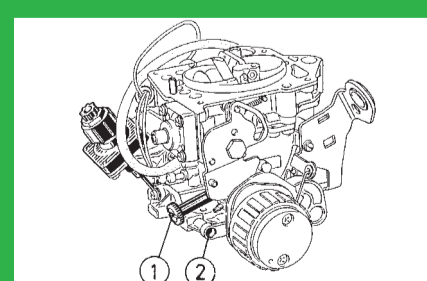
1: Idle speed 2: CO / Mixture



1721 cm³



1721 cm³, F2N



Solex Z13