

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 9 & 11 Turbo (L425/C375) 1986 to 1989

Type		C1J-B7-70
Capacity (cm <sup>3</sup> ) / number of cylinders		1397 / 4
Compression ratio / pressure	bar	8.0 / _
Oil pressure	bar	1.3 [3.2]
Oil temperature	°C	80
Valve clearance - inlet	mm	0.20
Valve clearance - exhaust	mm	0.25
Firing order		1-3-4-2
No 1 cylinder position		FE
Thermostat opening temperature	°C	86 or 89
Radiator cap pressure	bar	-

## Fuel system 9 & 11 Turbo (L425/C375) 1986 to 1989

Idle speed - manual [auto]	rpm	650±50
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
CO <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	-
O <sub>2</sub> @ idle speed [3000 rpm] - see page VI	%	-
Carburettor / fuel injection		Solex
Type / ref		32 DIS 912 + Garrett T2 Turbo
Main jet / needle		120
Injection pressure	bar	-
Pump pressure	bar	0.25 to 0.30
Octane rating	RON	98[L]

## Ignition system 9 & 11 Turbo (L425/C375) 1986 to 1989

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	8±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	RE208
	° Crankshaft @ rpm	6 to 10 BTDC @ 650
	° Crankshaft @ rpm	-
Centrifugal check.	° Crankshaft @ rpm	AEI control
	° Crankshaft @ rpm	-
	° Crankshaft @ rpm	-
Vacuum range check	mbar	AEI control
Maximum vacuum advance	° Crankshaft	-
Spark plugs		Eyquem/Champion
Type		805LP / N3G
Electrode gap	mm	0.60

## Electrical system 9 & 11 Turbo (L425/C375) 1986 to 1989

Battery	V / CC / RC	12 / 175 / 60
Alternator voltage / full load current / engine rpm		-
Starter motor current / voltage - cranking	A / V	-
- locked	A / V	350 to 420 / -

## Running gear 9 & 11 Turbo (L425/C375) 1986 to 1989

<b>Brakes -</b>		
Front (min. friction material thickness)	mm	6.0 with backing
Rear (min. friction material thickness)	mm	5.0 with backing

<b>Tyres</b>		
Saloon	Size	175/65x14
Estate / Van	Size	-
Pressure - front / rear - Saloon	bar	1.8 / 2.0 <sup>1</sup>
- Estate / Van	bar	-

<b>Front suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	-4.0±1.0
Camber		-35'±30'
Castor		+2°±30'
King pin inclination		+13°55'±30'

<b>Rear suspension / wheel alignment</b>		
Toe-in (+) / Toe-out (-)	mm [°]	+3.0 to 7.0 <sup>2</sup>
Camber		-1°15' to -1°45' <sup>3</sup>

## Torque wrench settings 9 & 11 Turbo (L425/C375) 1986 to 1989

Cylinder head - stage 1	Nm	60 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	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	80
Spark plugs	Nm	-

## Capacities 9 & 11 Turbo (L425/C375) 1986 to 1989

Engine oil & filter	litres	3.1
Gearbox - 4-speed [5-speed]	litres	3.4
Automatic transmission - refill	litres	-
Final drive	litres	WT
Cooling system	litres	6.9
Fuel tank	litres	47

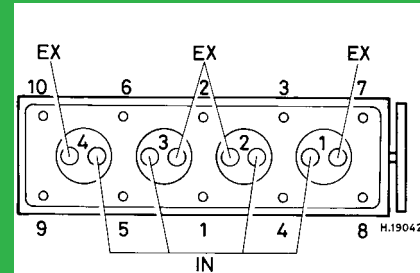
## Notes and Illustrations

<sup>1</sup>4 torsion bar rear axle: 2.1 / 2.1

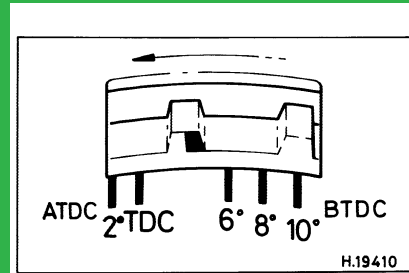
<sup>2</sup>4 torsion bar rear axle: 0 to +3.0

<sup>3</sup>4 torsion bar rear axle: -50'±30'

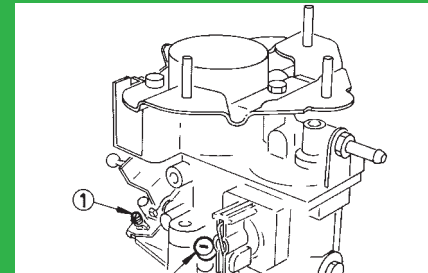
1: Idle speed      2: CO / Mixture



1397 cm<sup>3</sup>



1397 cm<sup>3</sup>



Solex 32 DIS