

Engine & Cooling

Fuel

Ignition

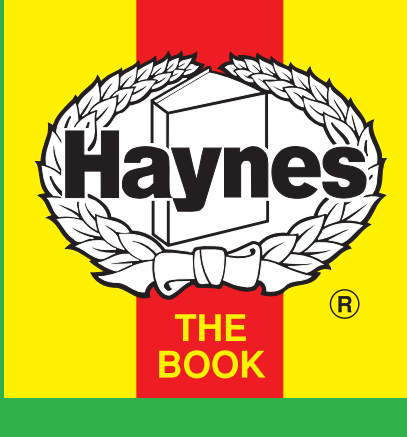
Electrical

Running gear

Torque settings

Capacities

Notes & Illustrations



Automotive Technical
DATA BOOK

Click on one of the buttons above to view data for this car. To return to this screen and make another choice, click anywhere on the data screen.

MENU

HELP

Engine and cooling system

9 & 11 Turbo (L425/C375)

1986 to 1989

Type		C1J-B7-70
Capacity (cm³) / 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
CO2 @ idle speed [3000 rpm] - see page VI	%	_
O2 @ 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

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

Tyres		
Saloon	Size	175/65x14
Estate / Van	Size	_
Pressure - front / rear - Saloon	bar	1.8 / 2.0¹
- Estate / Van	bar	_

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

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	+3.0 to 7.0²
Camber		-1°15' to -1°45'³

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

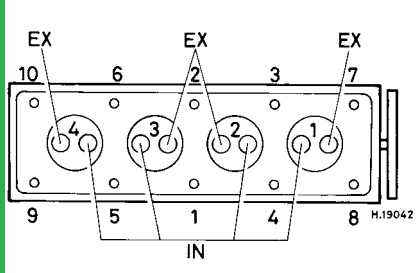
¹4 torsion bar rear axle: 2.1 / 2.1

²4 torsion bar rear axle: 0 to +3.0

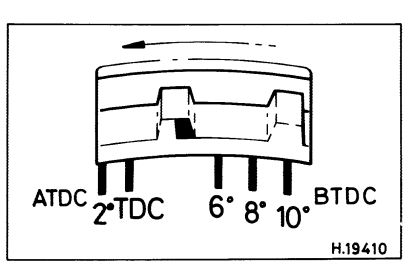
³4 torsion bar rear axle: -50'±30'

1: Idle speed

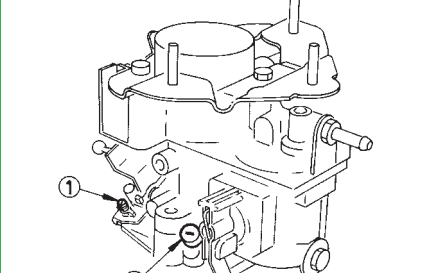
2: CO / Mixture



1397 cm³



1397 cm³



Solex 32 DIS