

Engine & Cooling

Fuel

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Electrical

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Automotive Technical
DATA BOOK

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HELP

Engine and cooling system9 & 11 AT 1.4 (L423/B/C373)1982 to 1989

Type		C2J-N7-18
Capacity (cm ³) / number of cylinders		1397 / 4
Compression ratio / pressure	bar	9.25 / _
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	86 or 89
Radiator cap pressure	bar	–

Fuel system9 & 11 AT 1.4 (L423/B/C373)1982 to 1989

Idle speed - manual [auto]	rpm	[600±25]
Fast idle speed - manual [auto]	rpm	–
CO @ idle speed [3000 rpm] - see page VI	%	[1.0±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		Weber
Type / ref		32 DRT 3
Main jet / needle		107, 105
Injection pressure	bar	–
Pump pressure	bar	0.17 to 0.27
Octane rating	RON	98[R] ¹

Ignition system9 & 11 AT 1.4 (L423/B/C373)1982 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	6±1 BTDC @ idle
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	RE026
	° Crankshaft @ rpm	–
	° Crankshaft @ rpm	–
Centrifugal check.	° Crankshaft @ rpm	5 to 8 @ 650
	° Crankshaft @ rpm	12 to 18 @ 1550
	° Crankshaft @ rpm	22 to 27 @ 4050
Vacuum range check	mbar	300 @ 4550
Maximum vacuum advance	° Crankshaft	≥10
Spark plugs		AC/Champion
Type		C42CXLS / N281YC
Electrode gap	mm	0.75 to 0.85

Electrical system9 & 11 AT 1.4 (L423/B/C373)1982 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 gear9 & 11 AT 1.4 (L423/B/C373)1982 to 1989

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

Tyres		
Saloon	Size	145x13: 155x13: 175/70x13
Estate / Van	Size	–
Pressure - front / rear - Saloon	bar	1.9 / 2.0
- Estate / Van	bar	–

Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	-1.0±1.0
Camber		+10'±30' [85 ►: 0±30']
Castor		+2°30'±30' [85 ►: 1°±30']
King pin inclination		+13°±30' [85 ►: 12°55'±30']

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [°]	0 to +3.0
Camber		-50'±30'

Torque wrench settings9 & 11 AT 1.4 (L423/B/C373)1982 to 1989

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	–
Flywheel [driveplate]	Nm	[45 to 50]
Front hubs	Nm	250
Rear hubs	Nm	160
Wheel nuts / bolts	Nm	80
Spark plugs	Nm	–

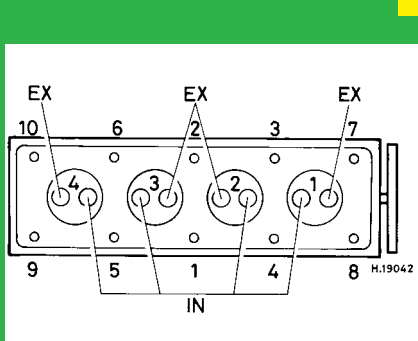
Capacities9 & 11 AT 1.4 (L423/B/C373)1982 to 1989

Engine oil & filter	litres	3.5
Gearbox - 4-speed [5-speed]	litres	–
Automatic transmission - refill	litres	2.0
Final drive	litres	WT
Cooling system	litres	6.0
Fuel tank	litres	47

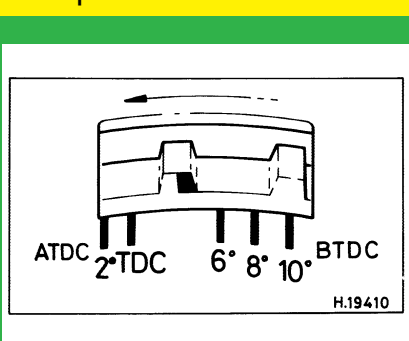
Notes and Illustrations

¹Engine no. 52 ►: [E 95 RON]

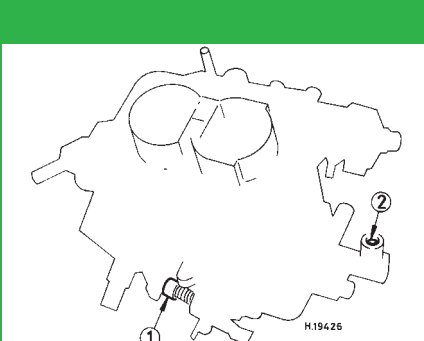
1: Idle speed 2: CO / Mixture



1397 cm³



1397 cm³



Weber 32 DRT