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

Maestro 1.3 (LC) 1988 to 1992

Type		12HE43, 12HE79 OHV
Capacity (cm³) / number of cylinders		1275 / 4
Compression ratio / pressure	bar	8.0 / _
Oil pressure	bar	1.0 [4.1]
Oil temperature	ºC	_
Valve clearance - inlet	mm	0.35 to 0.38
Valve clearance - exhaust	mm	0.35 to 0.38
Firing order		1-3-4-2
No 1 cylinder position		TCE
Thermostat opening temperature	ºC	88
Radiator cap pressure	bar	1.04

Fuel system

Maestro 1.3 (LC) 1988 to 1992

Idle speed - manual [auto]	rpm	750±50
Fast idle speed - manual [auto]	rpm	1200±50
CO @ idle speed [3000 rpm] - see page VI	%	2.5±1.0
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		SU
Type / ref		HIF44 FZX1529
Main jet / needle		0.100 / BGW
Injection pressure	bar	_
Pump pressure	bar	0.3
Octane rating	RON	91[E 95 RON]

Ignition system

Maestro 1.3 (LC) 1988 to 1992

Type		Electronic
Ignition coil		Unipart GCL 143
Primary resistance	ohms	0.71 to 0.81
Ballast resistor	ohms	_
Voltage - Tmnl 15(+) to earth	V	12.0
Distributor		Lucas
Points gap (air gap)	mm	[0.28±0.08]
Dwell angle	º (%)	_
Condenser capacity	µF	_
Rotation		Anticlockwise
Ignition timing - basic [static	º Crankshaft @ rpm	9±1 BTDC @ 1500
V = Vacuum NV = No Vacuum		NV
Total ignition advance	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
	º Crankshaft @ rpm	_
Centrifugal check.	º Crankshaft @ rpm	2 to 6 @ 2000
	º Crankshaft @ rpm	6 to 10 @ 3000
	º Crankshaft @ rpm	16 to 20 @ 5500
Vacuum range check	mbar	101 to 372
Maximum vacuum advance	º Crankshaft	20
Spark plugs		Unipart/Champion
Type		GSP4362 / N9YC
Electrode gap	mm	0.85

Electrical system

Maestro 1.3 (LC) 1988 to 1992

Battery	V / CC / RC	12 / 280 / 50, 12 / 360 / 60
Alternator voltage / full load current / engine rpm		14.0 / 55, 65 / 3000
Starter motor current / voltage - cranking	A / V	65 / 12
- locked	A / V	360 / 7.0

Running gear

Maestro 1.3 (LC) 1988 to 1992

Brakes -		
Front (min. friction material thickness)	mm	3.0
Rear (min. friction material thickness)	mm	1.5
Tyres		
Saloon	Size	145x13: 155x13: 165x13
Estate / Van	Size	165x13: 175/82x14
Pressure - front / rear - Saloon	bar	145: 2.1 / 2.2[1]
- Estate / Van	bar	500: 1.8 / 2.8[2]
Front suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[0±8']
Camber		+30'±21'. Van: +45'±21'
Castor		+37'±30'. Van: +12'±30'
King pin inclination		+12°33'±30'. Van: +12°16'±30'
Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (–)	mm [º]	[+30' to 1°]
Camber		-0.5°±0.5°

Torque wrench settings

Maestro 1.3 (LC) 1988 to 1992

Cylinder head - stage 1	Nm	38
- stage 2	Nm	80
Cylinder head - stage 3	Nm	_
- stage 4	Nm	_
Big-end bearings	Nm	40
Main bearings	Nm	85
Clutch cover	Nm	15
Flywheel [driveplate]	Nm	75
Front hubs	Nm	203
Rear hubs	Nm	68. Van: 50
Wheel nuts / bolts	Nm	72. Van: 80
Spark plugs	Nm	25

Capacities

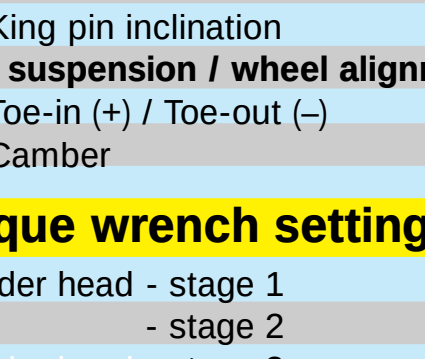
Maestro 1.3 (LC) 1988 to 1992

Engine oil & filter	litres	2.8
Gearbox - 4-speed [5-speed]	litres	1.5 [2.0]
Automatic transmission - refill	litres	_
Final drive	litres	WT
Cooling system	litres	6.6
Fuel tank	litres	50. Van: 54

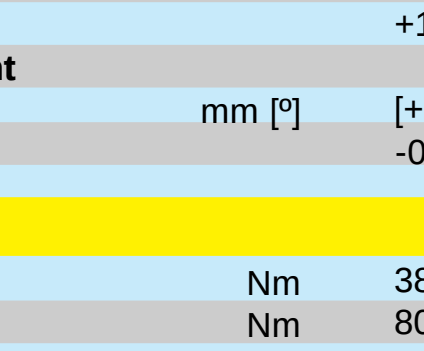
Notes and Illustrations

[1]**155: 1.8 / 2.0. 165: 2.0 / 2.0**
[2]**700: 1.8 / 3.2**

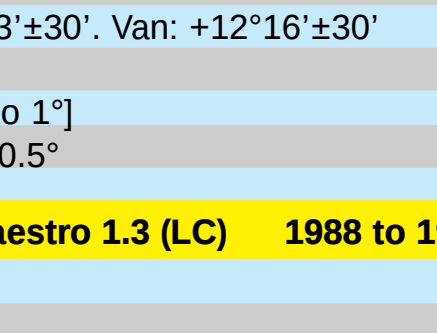
1: Idle speed 2: CO / Mixture



1275 cm³



1275 cm³



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