

Engine & Cooling	Fuel	Ignition	Electrical	Running gear	Torque settings	Capacities	Notes & Illustration
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HELP

Type	146 12 000
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Capacity (cm ³) / number of cylinders		1301 / 4
Compression ratio / pressure	bar	8.0 / _
Oil pressure	bar	[3.4 to 4.9]
Oil temperature	°C	100
Valve clearance - inlet	mm	0.40±0.05
Valve clearance - exhaust	mm	0.50±0.05
Firing order		1-3-4-2
No 1 cylinder position		TBE
Thermostat opening temperature	°C	78 to 82
Radiator cap pressure	bar	0.78

Fuel system	Uno Turbo ie	1985 to 1988
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Idle speed - manual [auto]	rpm	850±50
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		Bosch
Type / ref		LE2-Jetronic + Turbo
Main jet / needle		—
Injection pressure	bar	3.0±0.06
Pump pressure	bar	≤6.0
Octane rating	RON	97[R]

Ignition system	Uno Turbo ie	1985 to 1988
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Type		Microplex
Ignition coil		Marelli BAE 209 BK
Primary resistance	ohms	0.31 to 0.37
Ballast resistor	ohms	—
Voltage - Tmnl 15(+) to earth	V	—
Distributor		Marelli
Points gap (air gap)	mm	—
Dwell angle	° (%)	—
Condenser capacity	μF	—
Rotation		Clockwise
Ignition timing - basic [static	° Crankshaft @ rpm	10±2 BTDC @ 850
V = Vacuum NV = No Vacuum		NV
Total ignition advance	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Centrifugal check.	° Crankshaft @ rpm	Computer control
	° Crankshaft @ rpm	—
	° Crankshaft @ rpm	—
Vacuum range check	mbar	Computer control
Maximum vacuum advance	° Crankshaft	—
Spark plugs		Bosch/Champion
Type		FR6DTC / RN7BYC
Electrode gap	mm	0.70 to 0.80

Electrical system	Uno Turbo ie	1985 to 1988
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Battery	V / CC / RC	12 / 210 / 65
Alternator voltage / full load current / engine rpm		13.9 to 14.5 / _ / 3000
Starter motor current / voltage - cranking	A / V	190 to 220 / 9.8 to 10.4
- locked	A / V	120 / 8 to 9

Running gear	Uno Turbo ie	1985 to 1988
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Brakes -		
Front (min. friction material thickness)	mm	1.5
Rear (min. friction material thickness)	mm	1.5

Tyres	
Saloon	Size 175/60x13
Estate / Van	Size

Estate / van	Size	
Boulevard / 32	1	22 / 22

Pressure - front / rear - Saloon	bar	2.2 / 2.2
- Estate / Van	bar	—

Front suspension / wheel alignment

Toe-in (+) / Toe-out (-)	mm [°]	+1.0±1.0
Camber		+25'±30'
Castor		+2°15'±20'
King pin inclination		

King pin inclination —

Deer suspension / wheel alignment

Rear suspension / wheel alignment		
Toe-in (+) / Toe-out (-)	mm [°]	—

Category	Value
Category 1	Value 1
Category 2	Value 2
Category 3	Value 3
Category 4	Value 4
Category 5	Value 5
Category 6	Value 6
Category 7	Value 7
Category 8	Value 8
Category 9	Value 9
Category 10	Value 10
Category 11	Value 11
Category 12	Value 12
Category 13	Value 13
Category 14	Value 14
Category 15	Value 15
Category 16	Value 16
Category 17	Value 17
Category 18	Value 18
Category 19	Value 19
Category 20	Value 20
Category 21	Value 21
Category 22	Value 22
Category 23	Value 23
Category 24	Value 24
Category 25	Value 25
Category 26	Value 26
Category 27	Value 27
Category 28	Value 28
Category 29	Value 29
Category 30	Value 30
Category 31	Value 31
Category 32	Value 32
Category 33	Value 33
Category 34	Value 34
Category 35	Value 35
Category 36	Value 36
Category 37	Value 37
Category 38	Value 38
Category 39	Value 39
Category 40	Value 40
Category 41	Value 41
Category 42	Value 42
Category 43	Value 43
Category 44	Value 44
Category 45	Value 45
Category 46	Value 46
Category 47	Value 47
Category 48	Value 48
Category 49	Value 49
Category 50	Value 50
Category 51	Value 51
Category 52	Value 52
Category 53	Value 53
Category 54	Value 54
Category 55	Value 55
Category 56	Value 56
Category 57	Value 57
Category 58	Value 58
Category 59	Value 59
Category 60	Value 60
Category 61	Value 61
Category 62	Value 62
Category 63	Value 63
Category 64	Value 64
Category 65	Value 65
Category 66	Value 66
Category 67	Value 67
Category 68	Value 68
Category 69	Value 69
Category 70	Value 70
Category 71	Value 71
Category 72	Value 72
Category 73	Value 73
Category 74	Value 74
Category 75	Value 75
Category 76	Value 76
Category 77	Value 77
Category 78	Value 78
Category 79	Value 79
Category 80	Value 80
Category 81	Value 81
Category 82	Value 82
Category 83	Value 83
Category 84	Value 84
Category 85	Value 85
Category 86	Value 86
Category 87	Value 87
Category 88	Value 88
Category 89	Value 89
Category 90	Value 90
Category 91	Value 91
Category 92	Value 92
Category 93	Value 93
Category 94	Value 94
Category 95	Value 95
Category 96	Value 96
Category 97	Value 97
Category 98	Value 98
Category 99	Value 99
Category 100	Value 100

Torque wrench settings		Uno Turbo ie	1985 to 1988
Cylinder head - stage 1	Nm	20 ¹	
- stage 2	Nm	40 ¹	
Cylinder head - stage 3	Nm	+ 90 ^{o1}	
- stage 4	Nm	+ 90 ^{o1}	
Big-end bearings	Nm	51	
Main bearings	Nm	80	
Clutch cover	Nm	16	
Flywheel [driveplate]	Nm	83	
Front hubs	Nm	294	
Rear hubs	Nm	216	
Wheel nuts / bolts	Nm	86	
Spark plugs	Nm	25 to 30	

Capacities	Uno Turbo ie	1985 to 1988
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		One tank to	1990 to 1995
Engine oil & filter	litres	4.1	
Gearbox - 4-speed [5-speed]	litres	2.9	
Automatic transmission - refill	litres	—	
Final drive	litres	WT	
Cooling system	litres	6.9	
Fuel tank	litres	50	

Notes and Illustrations

1Belts 11 to 14 = 30

1: Idle speed 2: CO / Mixture

